

NEWSPACE MARKET · SECTOR CATALOGUE

Ground Segment

Every unit we list in this sector — specifications, manufacturers and where to ask for a quote. Compiled from the live NewSpace Market catalogue.

663

PRODUCTS

227

MANUFACTURERS

41

COUNTRIES

131

WITH DATASHEETS

newspacemarket.com/catalogues/ground-segment/

as of 17 August 2026

What is inside

This catalogue lists **663 ground segment products** offered by **227 manufacturers** across **41 countries**. Of those, 131 carry a manufacturer datasheet and 20 publish a price; the rest are quoted on request — normal in this market, where configuration drives cost.

Entries are grouped alphabetically by manufacturer. Every product links back to its page on newspacemarket.com, where you will find the full specification, the datasheet and a quote form that reaches the manufacturer directly.

Compiled 17 August 2026 from the live catalogue. Specifications are as published by the manufacturers; we normalise units but do not re-measure. Where a figure looked implausible it was left out rather than guessed.

Manufacturers by country

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Brazil1

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Ireland1

Lithuania1

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Mongolia1

Saudi Arabia1

Taiwan1

All products at a glance

PRODUCT	MANUFACTURER	COUNTRY	KEY SPECIFICATION	PRICE
“TERRA” complex of space environment simulators	Glavkosmos	Russia	Year of release: 2017	on request
0.6 m Portable Monitoring Antenna	MinoSpace	China	Aperture: 0.6 m	on request
1.0m X-band portable station	MinoSpace	China	–	on request
1.5m Ka-band portable TT&C and data transmission station	MinoSpace	China	–	on request
1.5P VibePOD	Wyrn Engineering	Netherlands	Dimensions w/o plate: 98mm x 96mm x 117mm	on request
1.8m Ka/Ku Dual-Band Portable Monitoring Antenna	MinoSpace	China	–	on request
12U MyPOD2	Gran Systems	United States	Temperature range: -50°C to +100°C	on request
1p/2p/3p Horizontal Integration Support Jig	Alba Orbital	United Kingdom	Length: 272 mm	on request
1U CubeSat Vibration Shaker Test Jig	CubeSat Aerospace	India	Supported CubeSat Size: 1U (100 mm x 100 mm x 113.5 mm)	on request
2.4M C&Ku Band Auto Flyaway Antenna (Carbon Fiber Material)	China Starwin	China	Focus: LEO constellation satellite manufacturing	on request
27G PLF20A EMC Power Line Filter	27G Technology	Hungary	Dimensions: 145 x 120.5 x 114.5 mm	on request
27G RadNano-EB Evaluation Board	27G Technology	Hungary	UART Protocol: 9600 8-N-1	on request
2P VibePOD	Wyrn Engineering	Netherlands	Dimensions w/o plate: 147mm x 98mm x 96mm	on request
3P Vibe POD	Wyrn Engineering	Netherlands	Dimensions w/o plate: 211mm x 98mm x 96mm	on request
3U MyPOD1	Gran Systems	United States	Temperature range: -50°C to +100°C	on request
3U MyPOD2	Gran Systems	United States	Temperature range: -50°C to +100°C	on request
40-metre Thai National Radio Telescope (TNRT)	NARIT (National Astronomical Research Institute of Thailand)	Thailand	–	on request
410-DHR Reflectometer	Surface Optics Corporation	United States	Measurement type: Integrated directional-hemispherical reflectance	on request
4m Satcom Antenna	Calian (SatService)	Canada	Reflector diameter: 4 m	on request
5402 GTEM Test Cell	ETS-Lindgren	United States	Compliance standards: IEC 61000-4-20, ANSI C63.4	on request
5405 GTEM Test Cell	ETS-Lindgren	United States	Compliance standards: IEC 61000-4-20, ANSI C63.4	on request

PRODUCT	MANUFACTURER	COUNTRY	KEY SPECIFICATION	PRICE
5407 GTEM Test Cell	ETS-Lindgren	United States	Compliance standards: IEC 61000-4-20, ANSI C63.4	on request
5903-HST High Speed Reverberation Tuner	ETS-Lindgren	United States	Max continuous rotation speed: 100 RPM	on request
5G NTN Network Emulator (NEMU)	Gatehouse Satcom	Denmark	–	on request
7m LEO Earth Station Antenna	Calian (SatService)	Canada	Reflector diameter: 7 m	on request
7m Satcom Antenna	Calian (SatService)	Canada	Reflector diameter: 7 m	on request
9.2m LEO Earth Station Antenna	Calian (SatService)	Canada	Reflector diameter: 9.2 m	on request
9.2m Satcom Antenna	Calian (SatService)	Canada	Reflector diameter: 9.2 m	on request
A Set of Stationary Control and Verification Equipment (SSCVE)	Glavkosmos	Russia	Year of release: 2017	on request
AAA Engineering & Test Lab	AAA Engineering & Test Lab	United States	Testing standards: MIL-STD-202, MIL-STD-461, MIL-STD-750, MIL-STD-883, MIL-...	on request
Ace CtrlPoint™	Parsons Space	United States	–	on request
Active Weightlessness System	Glavkosmos	Russia	Purpose: Ground modal testing under conditions simulating weightlessness an...	on request
ADCS Testbed	Tensor Tech (thermal)	Taiwan	Air-Bearing Platform – Position of Center of Mass, manually adjustable (X, ...	on request
Advanced Materials Testing for Space	Element Defense	United States	Tests: Tensile, fatigue, fracture mechanics, cryogenic, thermal cycling, ra...	on request
Aerospace Experiment & Research Support Services	Hokkaido Spaceport (SPACE COTAN)	Japan	Location: Taiki-cho, Hiroo-gun, Hokkaido, Japan	on request
Aerospace Systems Engineering Services	Expleo	France	Services: Systems engineering, embedded SW, ECSS compliance, verification/v...	on request
Aerotable test bench for mutual movement of spacecraft	SPUTNIX	Russia	Overall dimensions: 5000x4000x3000 mm	on request
Aggressive Liquids Filling Equipment Complex	Glavkosmos	Russia	Purpose: Filling of prepared (by temperature and gas content) fuel componen...	on request
Air Bearing (15 kg)	Glavkosmos	Russia	Max carrying capacity, kg: 15	on request
Air Bearing (160 kg)	Glavkosmos	Russia	Max carrying capacity, kg: 160	on request
Air Bearing (35 kg)	Glavkosmos	Russia	Max carrying capacity, kg: 35	on request
Air Bearing (65 kg)	Glavkosmos	Russia	Max carrying capacity, kg: 65	on request
Alén Space Ground Station Kit (GS-Kit)	Alén Space	Spain	Availability: 16 weeks	on request

PRODUCT	MANUFACTURER	COUNTRY	KEY SPECIFICATION	PRICE
AMS-5700 Compact 5G Antenna Measurement System	ETS-Lindgren	United States	Format: Tabletop, 2D (optional 3D roll-axis stage)	on request
AMS-5703 5G CATR Antenna Measurement System	ETS-Lindgren	United States	Quiet zone diameter: 60 cm	on request
Anechoic chamber	SPUTNIX	Russia	Working volume: not less than 2x2x2 m	on request
Antenna ASNG-2	Glavkosmos	Russia	Purpose: As part of the GLONASS / GPS surveying equipment. Work through spa...	on request
Antenna ASNG-3	Glavkosmos	Russia	Purpose: As part of the GLONASS / GPS surveying equipment. Work through spa...	on request
Antenna ASNK-2	Glavkosmos	Russia	Purpose: GLONASS / GPS wearable receiver. Work through space navigation sys...	on request
Antenna ASNM-6	Glavkosmos	Russia	Purpose: As part of the stationary and transportable dual-band navigation r...	on request
Antenna ASNP-2	Glavkosmos	Russia	Purpose: As part of a personal GLONASS / GPS receiver. Work through space n...	on request
Antenna ASNP-4	Glavkosmos	Russia	Purpose: As part of the GLONASS / GPS wearable dual-band navigation receive...	on request
Antenna Controller (8200 / 9000 Monopulse)	EUROSATCOM	France	Models: 8200, 9000 Monopulse	on request
Antenna feeder device	Glavkosmos	Russia	Purpose: Designed for use as part of earth stations in satellite communicat...	on request
Antenna Feeder Device 3	Glavkosmos	Russia	Purpose: Designed for use as part of earth stations in satellite communicat...	on request
Antenna Feeder Device 4	Glavkosmos	Russia	Purpose: Designed for use as part of earth stations in satellite communicat...	on request
Antenna Feeder Device AC-25KRL-Ku/S	Glavkosmos	Russia	Year of release: 2014	on request
Antenna Feeder System	TTI Norte	Spain	POLARIZATION: Linear single	on request
Antenna Hosting	Pinkmatter Solutions	South Africa	Location: 25°51'30"S, 28°27'10"E - Boschkop, Pretoria, South Africa, ~40 mi...	on request
Antenna MAZ-M2	Glavkosmos	Russia	Purpose: Transportable GPS / GLONASS navigation receiver (armored vehicles)...	on request

PRODUCT	MANUFACTURER	COUNTRY	KEY SPECIFICATION	PRICE
Antenna Polarisers	TTI Norte	Spain	Transmission polariser: Ku-band	on request
Antenna Post L- and S-bands	Glavkosmos	Russia	Year of release: 2016	on request
Antenna SA2-M	Glavkosmos	Russia	Purpose: As part of the ground equipment of Doppler systems. Work through s...	on request
Antenna System 4,1 meters Ka	Glavkosmos	Russia	Purpose: Designed to receive signals in the Ka-band from satellites locate...	on request
Antenna System 7.2 m	Glavkosmos	Russia	Purpose: Designed for use in satellite communications earth stations for op...	on request
Antenna System 7.2 m C/Ku	Glavkosmos	Russia	Purpose: It is intended for use as part of satellite communications earth s...	on request
Antenna System 7.2 m C/Ku/Ka	Glavkosmos	Russia	Reflector diameter: 7,2 m	on request
Antenna System 7.2 m L/S/X	Glavkosmos	Russia	Purpose: Designed for use as part of satellite communications earth station...	on request
Antenna System 9.3 M AC93R-C/Ku	Glavkosmos	Russia	Purpose: Designed for use in satellite earth stations for receiving signals...	on request
Antenna-feeder System 9.3 m	Glavkosmos	Russia	Purpose: Designed for use in satellite communications earth stations for op...	on request
Anyfields Fieldisplay — Antenna EM Radiation Visualizer	TechTheMoon	France	Function: Electromagnetic radiation visualization and antenna performance m...	on request
Arctic Space Center	Arctic Space Technologies	Sweden	Location: Piteå, Northern Sweden at 65.34°N	on request
Assembly JIG	EnduroSat	Bulgaria	Dimensions: 351.5x150x40 mm	on request
ASTROFEIN ACS Test Bed	EXA (Astro-und Feinwerktechnik)	Germany	Rotation around vertical axis: free 360°	on request
Astroflash Satellite Ground Services	Astroflash	Japan	Services: Ground station and communications support	on request
ATCi Parabolic Antenna 3.7m C/Ku-Band Prime Focus Rx	ATCi	United States	Diameter: 3.7 m	on request
ATCi Parabolic Antenna 4.5m C/Ku-Band Prime Focus Rx	ATCi	United States	Diameter: 4.5 m	on request
ATE for Space Systems	Data Patterns (India) Ltd.	India	—	on request
Atlas	EOS (Electro Optic Systems)	Australia	Deployment configurations: Fixed, mobile, and relocatable	on request
ATLAS ICU (Initiation Control Unit)	SPACERACE s.r.o.	Czech Republic	Actuation steps: Activation, arming, fire	on request
Attitude and Heading Reference System and Inertial Reference Unit	Tensor Tech (thermal)	Taiwan	Yaw, Roll, and Pitch Accuracy: < 0.5 deg	on request

PRODUCT	MANUFACTURER	COUNTRY	KEY SPECIFICATION	PRICE
ATZC-10-100 C-Band VSAT Transmitter SSPA	ATCi	United States	Frequency Band: C-Band	on request
Audio Management Systems (Orion™, ADAMS NexGen, Radio Gateway)	Orbit Communication Systems	Israel	Orion™ Features: Patented Dual IP Ring topology	on request
Aurora — Cloud Mission Control Software	D-Orbit	Italy	Type: Cloud-based Mission Control Software	on request
Aurora Autonomous Program Management System	Aevum	United States	Type: Autonomous launch mission management software	on request
Automated Multi-Purpose Tester UTP 9085	NOFFZ Technologies	Germany	Handling: Automatic rotary/indexing table through multiple test/inspection ...	on request
Automated System for Launch Complex Ground Support Equipment Control	Glavkosmos	Russia	Year of release: 2004	on request
Automated Test Equipment (ATE) for Aerospace and Space Applications	Data Patterns (India) Ltd.	India	Initial Product: DP-800 Multi Programmer (1994)	on request
Automated Testing Complex ATC	Glavkosmos	Russia	Purpose: Comprehensive ground-based electrical testing and spacecraft syste...	on request
Automatic Control System of Thermal-vacuum-testing	Glavkosmos	Russia	Purpose: Automatic control of thermal vacuum testing course of spacecraft i...	on request
Autonomous Measurements System	Glavkosmos	Russia	Purpose: Designed to verify the work of attitude determination and control ...	on request
Backend Quantum Unit (BQU)	SpeQtral	Singapore	Form factor: Compact (small form factor)	on request
BADGER	AeroVironment (Tomahawk Robotics)	United States	Orbital coverage: GEO / MEO / LEO	on request
Best Source Selectors	GDP Space Systems	United States	Performance Gain: Over 5dB	on request
Bit Synchronizers	GDP Space Systems	United States	Performance: Better than 1dB from theory all the way down to -3dB Eb/No	on request
Board-Level Tester UTP 9011 RF	NOFFZ Technologies	Germany	DUT capacity: Up to 4 DUTs tested in parallel	on request
BR-MOD (Series)	AVCOM of Virginia	United States	INPUT CONNECTORS: SMA	on request
Brazilian Satellite Systems Integration	CRON Sistemas e Tecnologias	Brazil	Services: Satellite AIT support, EGSE, mechanical GSE, thermal-vacuum testing	on request
BridgeComm Optical Ground Terminal / Optical Ground Station (OGT/OGS)	BridgeComm, Inc.	United States	Communications speed: 2.5 Gbps to 1 Tbps	on request
BUC/SSPA Amplifiers (C/X/Ku/Ka Band)	EUROSATCOM	France	Ka Band SSPA power: 400W	on request
BusCORE Groundstation	SkyFox Labs s.r.o.	Czech Republic	Type: State-of-the-art Hardware Accelerated Satellite Communication System	\$9 790

PRODUCT	MANUFACTURER	COUNTRY	KEY SPECIFICATION	PRICE
C & S-Band Tracking Radar for ISRO	Data Patterns (India) Ltd.	India	Product Name: R12	on request
C band SSPAs & BUCs	TTI Norte	Spain	TYPE: C band outdoor SSPA/BUC	on request
CANDELABRA	Spartan Space	France	System type: Artificial sun simulator / precision lighting array	on request
CanSat Kit	Hex-Star Universe	India	Sensors: Temperature, humidity, barometric pressure, altitude, GPS, acceler...	on request
Capella Data Platform	Capella Space	United States	Access Method: RESTful API + browser console (Capella Console)	on request
Cart	Glavkosmos	Russia	Purpose: Transportation of different kind of the Products	on request
CATR Radar Test System UTP 5069	NOFFZ Technologies	Germany	Test technology: CATR (Compact Antenna Test Range) with integrated parabol...	on request
CAVACam	XCAM	United Kingdom	Vacuum Compatibility: UHV / XHV / UCV	on request
Changchun Optical Payload Manufacturing AIT Center	MinoSpace	China	Integrating Sphere Diameter: 3-meter	on request
Climats EXCAL3 1000 Environmental Test Chamber	Climats	France	Internal dimensions (W x D x H): 1000mm x 1000mm x 1000mm	on request
Climats EXCAL3 140 Environmental Test Chamber	Climats	France	Internal dimensions (W x D x H): 540mm x 400mm x 700mm	on request
Climats EXCAL3 220 Environmental Test Chamber	Climats	France	Internal dimensions (W x D x H): 540mm x 600mm x 700mm	on request
Climats EXCAL3 770 Environmental Test Chamber	Climats	France	Internal dimensions (W x D x H): 900mm x 950mm x 900mm	on request
Command Data Modem (CDM)	OSE (Optimized System Engineering)	India	—	on request
Complex IVK-M	Glavkosmos	Russia	Purpose: Comprehensive spacecraft electrical testing and system verification	on request
Complex IVK-SOK-M	Glavkosmos	Russia	Purpose: Spacecraft orientation system (ADCS) testing	on request
Complex of Technical Means for Impact Area Operation	Glavkosmos	Russia	Purpose: LV detachable part trajectory tracking and drop location determina...	on request
Comprehensive Testing Services	Experior Laboratories	United States	Vacuum level: 10 ⁻⁷ torr	on request
Comprehensive TT&C Baseband	Emposat Co., Ltd.	China	Technology: Software-defined radio (SDR)	on request
Compressed Gases Storage Equipment	Glavkosmos	Russia	Purpose: Intaking of compressed gases (Air,	on request

PRODUCT	MANUFACTURER	COUNTRY	KEY SPECIFICATION	PRICE
			Nitrogen, Helium) with specificie...	
Compressed Gases Supply System	Glavkosmos	Russia	Purpose: Compressed gases (Air, Nitrogen, Helium) with specified parameters...	on request
Comsat Systems Satellite Communication Antenna Systems	Comsat Systems	India	Antenna Diameter Range: 1.0 m to 13.5 m	on request
Console	Data Patterns (India) Ltd.	India	–	on request
Constellation Operations and Ground Segment Software	Constellation Technologies & Operations (CONOPS)	United Kingdom	Software: Constellation operations platform: orbit management, scheduling, ...	on request
CONTEC Ground Station Automation Software	CONTEC	South Korea	Product: Ground station automation software	on request
Control Center Development	Qwaltec	United States	Scope: Concept through testing and validation	on request
Control Complex of a Large-sized Products	Glavkosmos	Russia	Purpose: Real time control of large-sized product forms (from 10 m and more)	on request
Control, Analysis and Statistics System Designed for Proper Operation of Spacecraft Onboard System	Glavkosmos	Russia	Purpose: The software package is designed for spacecraft status control and...	on request
Crossbeam 1	Glavkosmos	Russia	Purpose: Transshipment and movement of long loads with variable position of...	on request
Crossbeam 2	Glavkosmos	Russia	Purpose: Transshipment of the load and provision its mating with the receiv...	on request
Cryogenic LNA portfolio	TTI Norte	Spain	TYPE: W band Cryo LNA	on request
Cryogenic Testing Services	Experior Laboratories	United States	Minimum test temperature: 4K (-269°C)	on request
CubeDynA	Nautilus Navigation in Space	Israel	Supported platforms: 1U to 12U CubeSats	on request
CubeSat ADCS Testing Facility	Glavkosmos	Russia	Purpose: Designed for functional testing of CubeSat 3U orientation and stab...	on request
CUBESAT DESKSAT	EnduroSat	Bulgaria	Dimensions: 449x386x135 mm	on request
CubeSat Kit GEN1	Hex-Star Universe	India	Dimensions: 10 × 10 × 10 cm (1U)	on request
CubeSat Mechanical Ground Support Equipment (MGSE)	Serenum Space	Czech Republic	Vertical/Horizontal Support Jig material: Aluminium 2025, PA/PEEK clamps, A...	on request
CubeSat Mission Operations Software	Cosmoworks	South Korea	Platform Type: Cloud-based SaaS mission operations software	on request
CUBESAT TEST POD	EnduroSat	Bulgaria	Dimensions: 144.3 x 269 x 431.7 mm	on request
Custom Cryostats	Lidax	Spain	Operating temperature: In-house test asset: 20 to 300	on request

PRODUCT	MANUFACTURER	COUNTRY	KEY SPECIFICATION	PRICE
			K	
Custom Thermal Vacuum Chambers	Lidax	Spain	Interface: Custom-configured size, temperature range, vacuum level, and opt...	on request
Customized Air Bearing System	ElmSpace	Germany	Type: Customized air bearing for ADCS ground testing	on request
Customized Air Bearing Test System	ElmSpace	Germany	Type: Air-bearing frictionless ADCS test platform	on request
Customized Air Bearings	ElmSpace	Germany	Application: Ground-based ADCS testing (frictionless air bearing tables)	on request
Data Logger	Magson GmbH	Germany	Channels: 3 channels	on request
Data Receiving and Satellites Controlling Station	Glavkosmos	Russia	Year of release: 2018	on request
Decentralized Satellite Data Marketplace	DecenSpace	United States	Technology: Blockchain marketplace, smart contracts, tokenized space data a...	on request
Deep Space Ground Station Network Services	Goonhilly Earth Station	United Kingdom	Location: Goonhilly, Cornwall, UK (historic satellite comms site)	on request
Deke Space Communicator	Solstar Space	United States	Communication type: Narrowband, bi-directional	on request
Detector Evaluation Systems	XCAM	United Kingdom	CIS 120 Sensor Format: 2048 x 2048 pixels	on request
DHS 514 Pressure Converter	Glavkosmos	Russia	Estimated production / delivery time: 6 months	on request
DHS 517 Pressure Converter	Glavkosmos	Russia	Purpose: Measurement of sound pressure of non-aggressive gaseous media acti...	on request
Digital Twin System (DTS)	WARPSPACE Inc.	Japan	Product type: Satellite constellation digital twin emulator software	on request
Direct Field Acoustic Testing (DFAT)	Experior Laboratories	United States	Process time: Load-in to load-out in ≤4 days for large satellite	on request
DRSA-2500B / TRSA-2500B Dual/Triple Spectrum Analyzer	AVCOM of Virginia	United States	Frequency Range: 5 MHz – 2,300 MHz	on request
Dynamic Pressure Sensor Vt 206	Glavkosmos	Russia	Purpose: Measurement of the static-dynamic pressure of liquid and gaseous a...	on request
Dynamic Spectrum Environment Emulator (DYSE®)	Parsons Space	United States	Tuning range: up to 20 GHz	on request
Dynamic Star Simulator DSS-25	TY-Space Technology	China	Field Of View: 20x20 deg	on request
Dynamic Star Simulators (DSS-14)	TY-Space Technology	China	Field Of View: 20°×20°	on request

PRODUCT	MANUFACTURER	COUNTRY	KEY SPECIFICATION	PRICE
Dynamic Test System	TY-Space Technology	China	Dynamic Star Simulator: Receives quaternion from simulator computer; output...	on request
Dynamics Testing Services	Element Defense	United States	Acceleration Test Centrifuge Diameter: 1ft (0.3m) to 62 ft (16m)	on request
Earthfence Deep Space Radar (GEO)	Thoth Technology	Canada	Radar type: Fully digital, pulse-compression, monostatic, software-defined,...	on request
EGSE and SCOE Ground Test Equipment	Tsd-space	Italy	Programs supported: PRISMA, SENTINEL-3, ISS EML, SAR-LUPE, ARG0, FOTON, VIR...	on request
EGSE and SCOE, Command & Telemetry Ground Units, TSD I/F Bridge	Tsd-space	Italy	EGSE and SCOE Flight Heritage: Payload of PRISMA Hyper-Spectral Earth Obser...	on request
EGSE Box & Software	Pyxis Space	Germany	PC Interface: USB	€5 000
EHP High Performance Microwave Pyramidal Absorber	ETS-Lindgren	United States	Frequency range: 30 MHz-100 GHz	on request
ELARA X-Band Multibeam Ground Antenna	Quasar Satellite Technologies	Australia	Frequency band: X-band	on request
Electronically Steerable Flat-Panel Satellite Terminal	Kymeta	United States	Technology: Liquid crystal meta-surface waveguide ESA (no moving parts)	on request
Electronically-Steered Flat Panel SATCOM Antenna	Hanwha Phasor	United Kingdom	Technology: Electronically-steered flat panel antenna (ESA), no moving parts	on request
Emergency Distress Terminal	Tianqi Satellite (Guodian Gaoke)	China	Tianqi Communication Message Communication: Supports sending Tianqi message...	on request
EMI/EMC Testing Services	Element Defense	United States	Radiated Susceptibility: up to 200V/m, 10kHz to 40GHz	on request
EMPOSAT 1.8m Portable Ground Station	Emposat Co., Ltd.	China	Frequency Bands (standard): S/X	on request
EMPOSAT High-speed data transmission baseband	Emposat Co., Ltd.	China	Encoding/Decoding: Convolutional, RS, LDPC	on request
Emtech Space Snapshot Multi-Magnetometer Facility (Snapshot-MMF)	Emtech Space	Greece	Sensor array: 12 Bartington Mag-13MS fluxgate magnetometers	on request
Emtech Space Suitcase Multi-Magnetometer Facility (Suitcase-MMF)	Emtech Space	Greece	Frequency range: DC to 50,000 Hz	on request
EMXYS Ground Station	Emxys	Spain	SDR over Ethernet: Yes	on request
End-of-Line Tester UTP 6010 RF	NOFFZ Technologies	Germany	Test type: RF functional test, end-of-line / board-level (FKT/EOL)	on request
End-of-Line Tester UTP 9010 RF	NOFFZ Technologies	Germany	Test type: Parallel RF functional test, EOL	on request

PRODUCT	MANUFACTURER	COUNTRY	KEY SPECIFICATION	PRICE
Engine Firing Test Facility — Rocket Propulsion Testing	Hokkaido Spaceport (SPACE COTAN)	Japan	Location: Launch Complex 0 (LC0), Bisei, Taiki-cho, Hiroo-gun, Hokkaido, Japan	on request
Environmental Simulation Testing	Element Defense	United States	—	on request
Environmental Stress Screening Chamber Type E1 (<3m³)	Climats	France	Temperature Range: -80°C to +200°C (+250°C on request)	on request
Environmental Test Chamber for Battery Testing	Climats	France	Temperature Range: -90°C to +220°C	on request
Environmental Test Chamber for Photovoltaic (PV) Panel Testing	Climats	France	Application: Photovoltaic (PV) module environmental and power qualification...	on request
Environmental Testing Services	Needronix	Poland	Test types: TVAC, vibration, shock, EMC/EMI	on request
Equatorial Stargate	Astralintu Space Technologies	Ecuador	Location: 0°26'19" N, 78°13'37" W, Quito, Ecuador	on request
Equipment for determining the center-of-mass position and inertia characteristics of nanosatellites	Glavkosmos	Russia	Inaccuracy of the center-of-mass position determining: not more than 1 mm	on request
ERSDEM-2.5 High-Rate Modem	SSBV Aerospace & Technology	Netherlands	—	on request
EVO-CLM (Rev B) Compact Spectrum Analyzer	AVCOM of Virginia	United States	Frequency Range (Model 2290): 900–2200 MHz	on request
EVO-RBR (Rev B)	AVCOM of Virginia	United States	INPUT CONNECTORS: SMA, BNC, F, and/or N	on request
EVO-RSA Rev B	AVCOM of Virginia	United States	Input Connectors: SMA, BNC, F, and/or N	on request
Excal GT-FC Air Generator	Climats	France	Temperature Range: -70°C to +200°C	on request
EXCAL ³	Climats	France	Available volumes: 150 L / 225 L / 400 L / 540 L / 770 L / 1,000 L / 1,400 ...	on request
Extreme 320	Climats	France	Temperature Range: +180°C to -90°C (+200°C to -100°C optional)	on request
EyasSat Single axis air bearing for Attitude Control Studies	EyasSat	United States	Manufacturer: EyasSat	€1 093
Familia de productos Fleet	gmv	Spain	—	on request
Federated Ground Network	Atlas Space Operations	United States	Network size: 50+ antennas across 30+ ground stations	on request
findgs Ground Station Discovery Platform	findgs	—	Type: Ground station marketplace/discovery platform	on request
Fixed GEO Earth Stations	Kratos Defense & Security Solutions	United States	Aperture Range: 3.5 - 18.3 m	on request
Fixed LEO/MEO Antenna Systems	Kratos Defense & Security Solutions	United States	Model: 3.5m LEO Satcom Antenna	on request

PRODUCT	MANUFACTURER	COUNTRY	KEY SPECIFICATION	PRICE
Flat Panel Series Land	Intellian Technologies	South Korea	–	on request
Flat Panel Series Maritime	Intellian Technologies	South Korea	Product range: Flat Panel Series Maritime	on request
FlatSat Ground Test Rig	HEX20	India	PC-104 slots: 6 (CDH, EPS, COMMs, Interface Card, 2 spares)	on request
FleetDashboard	gmV	Spain	–	on request
Flight Dynamics Service	Vyoma GmbH	Germany	Delivery model: Cloud-based or on-premise SaaS	on request
Flight Switch Simulator Module	Pumpkin, Inc.	United States	Simulated RBF switches: 1	\$425
Flyplan	gmV	Spain	–	on request
Force Sensor Vt 114	Glavkosmos	Russia	Estimated production / delivery time: 6 months	on request
FOSSA Ground Station	Fossa Systems	Spain	–	on request
FOSSA Nexus IoT Gateway	Fossa Systems	Spain	–	on request
Frequency Converters (Block Up/Down Converters)	EUROSATCOM	France	Band coverage (Indoor Single band): C, X, Ku, Ka Band	on request
GA120C Geesatcom Satellite Antenna	Geespace	China	Supports: GEESATCOM satellite communication	on request
Gaia™ Earth Observation Ground Stations (100, 200, 300, 400 Series)	Orbit Communication Systems	Israel	Gaia™ 100 Features: No “key hole”, for continuous tracking	on request
GAUSS Mini Ground Dongle	GAUSS Srl	Italy	Output power: Up to 15 dBm	on request
Geesatcom DTU	Geespace	China	Dimensions: Φ=280mm, H=239mm	on request
General Dynamics Satellite Ground Terminal — 7.3-Metre Earth Station Antenna	General Dynamics Mission Systems	United States	–	on request
Geospatial Big Data Analytics Platform	GEOVIS / Zhongke Xingtu	China	Platform: Sky Map (Xingtu) – cloud geospatial big data analytics	on request
Ghulam Spacecraft AIT Services	JV Ghulam LLP	Kazakhstan	Cleanroom area: 15,000 m²	on request
Global Ground Station Network	KSAT (Kongsberg Satellite Services)	Norway	Ground Station Sites: 26 sites globally	on request
GMV focusSuite — Satellite Mission Control and Ground System Software	gmV	Spain	–	on request
GMV Space Software and Ground Systems	gmV	Spain	Key Products: FocusSuite (FDS, FOD, PosiTim), GNSS receivers/software, sate...	on request
GNSS Simulator sUTP 5017	NOFFZ Technologies	Germany	Supported Constellations: GPS, GLONASS, Galileo, BeiDou	on request
GNSS systems	Indra Sistemas	Spain	Years of experience in European satellite navigation: 25+	on request

PRODUCT	MANUFACTURER	COUNTRY	KEY SPECIFICATION	PRICE
Goonhilly Earth Station Antenna Network (GES)	Goonhilly Earth Station	United Kingdom	Location: Goonhilly Downs, Cornwall, United Kingdom	on request
Gradiometer (MFG-2S)	Magson GmbH	Germany	Sensor configuration: Two independent fluxgate sensors in spatial gradient ...	on request
Grid	NPK Barl	—	Supported modulations: LoRa, GFSK, GMSK (extensible via SDR)	on request
Ground Antenna System 11 / 4-2.5	Glavkosmos	Russia	Purpose: Designed to operate as part of satellite earth stations to receive...	on request
Ground Antenna System 2	Glavkosmos	Russia	Purpose: Designed to work as part of satellite communications earth station...	on request
Ground Antenna System L/S/C/X/Ku/Ka-bands AFS-12	Glavkosmos	Russia	Year of release: 2017	on request
Ground Antenna System NAS 11-14-2.4	Glavkosmos	Russia	Purpose: Designed for use as part of earth stations in satellite communicat...	on request
Ground Antenna System TAS 4 / 6-6.0 m	Glavkosmos	Russia	Purpose: Designed for use in satellite communications earth stations for op...	on request
Ground Antenna System TAS 4/6-11/14-6.0 m	Glavkosmos	Russia	Year of release: 2015	on request
Ground Antenna System US 11 / 14-3.7	Glavkosmos	Russia	Purpose: Designed to operate as part of satellite earth stations to receive...	on request
Ground Displacement Analytics	Synspective Inc.	Japan	Technique: InSAR (Interferometric SAR) on StriX L-band time series	on request
Ground Segment	Spacebel	Belgium	—	on request
Ground segment	Indra Sistemas	Spain	—	on request
Ground Segment Equipment for LEO Constellations	Antwerp Space	Belgium	Products: Satellite modems (S/X/Ka-band), LNAs, baseband processing, VSAT t...	on request
Ground Segment Products (EGSE, SCOE, Command & Telemetry Ground Units, TSD I/F Bridge)	Tsd-space	Italy	EGSE for the Payload of: PRISMA Hyper-Spectral Earth Observation Satellite	on request
Ground Segment Technical & Hosting Services	Infostellar	Japan	Service type: Turnkey technical implementation + antenna hosting (IaaS)	on request
Ground Station	Glavkosmos	Russia	Purpose: Used to control spacecraft and perform communication sessions.	on request
Ground Station	Data Patterns (India) Ltd.	India	Product Type: Ground Station System	on request

PRODUCT	MANUFACTURER	COUNTRY	KEY SPECIFICATION	PRICE
Ground Station as a Service	Spacecomm	Poland	Supported Bands: VHF, UHF, S-band	on request
Ground Station as a Service	ONDO Space	Mongolia	Location: Ulaanbaatar, Mongolia	on request
Ground Station as a Service (GSaaS)	Spacecomm	Poland	Service type: Cloud-based satellite operations platform	on request
Ground Station Complex	Orbital Systems	Russia	Deployed Stations: 7	on request
Ground Station Hosting and Teleport Services	Capricorn Space	Australia	Site size: 35 hectares (86 acres)	on request
Ground Station Network	GEOVIS / Zhongke Xingtu	China	–	on request
Ground Station Network Service	Infostellar	Japan	Service model: Ground station network aggregation ("network of networks")	on request
Ground Station Services	Needronix	Poland	Frequency bands: UHF, VHF, S-band	on request
Ground Stations Network	Zhuhai Orbita Aerospace	China	Planned Ground Stations: 7	on request
Ground System Operations and Engineering	Qwaltec	United States	Scope: Development through de-orbit	on request
Ground Systems Engineering and Software Solutions	Swedish Space Corporation (SSC)	Sweden	–	on request
Ground Systems Integration Services	SAIC Space	United States	Service type: Ground system integration and operations	on request
gs4EO Ground Segment Suite	Deimos Space (Indra)	Spain	Missions supported: 30+ Earth observation missions (incl. ESA Earth Explore...	on request
GSE Clampband	RUAG Space	Switzerland	Clampband PAS 937 S: Manufactured per Ariane 5 User's Manual (Issue 5 Rev 2...	on request
Hardware Testing for Extreme Environments	Lunar Research Service	Ukraine	–	on request
HFF-AMF InnoWave 4 (Horizontal Far Field Antenna Measurement Facility)	Sisir Radar	India	Angular Precision: 0.45 deg	on request
HiberHilo® Wireless Well Pad Monitoring Platform	Hiber	Netherlands	Connectivity: Satellite + LAN + cellular (multi-mode)	on request
Hifly®	gmv	Spain	Year of Hifly® operations start for Eutelsat's W3A satellite LEOP phase: 2004	on request
High Altitude Balloon 300g	Hex-Star Universe	India	Mass: 300 g	on request
High-precision Automated Angle-setting Complex	Glavkosmos	Russia	Purpose: Quality control and testing of angle sensors, accelerometers, tilt...	on request
High-strength Hydrogen Peroxide Supply System	Glavkosmos	Russia	Year of release: Manufactured date 05.12.2008g.	on request

PRODUCT	MANUFACTURER	COUNTRY	KEY SPECIFICATION	PRICE
High-Temperature Thermal Chamber ESS +265°C	Climats	France	Temperature Range: -80°C to +265°C	on request
High-Vacuum Testing Service	OhmSpace	Italy	Minimum pressure: 1×10 ⁻⁶ mbar	on request
HWA-D300 Smart Data Acquisition Unit	Beijing Huali Chuangtong Technology Co., Ltd.	China	–	on request
HWA-LF100 Integrated Crack and Displacement Monitoring Station	Beijing Huali Chuangtong Technology Co., Ltd.	China	–	on request
HWA-YL100 Integrated Rainfall Monitoring Station	Beijing Huali Chuangtong Technology Co., Ltd.	China	–	on request
Hydraulics Testing Services	Element Defense	United States	–	on request
Hydrocarbon Safety Chamber (MIL-DO-160)	Climats	France	Temperature Range: -70°C to +180°C	on request
Hydrogen Peroxide Tanker	Glavkosmos	Russia	Purpose: Tanker is intended for HCHP intaking, storing and thermal conditio...	on request
IABG Space Systems Testing and Qualification Services	IABG	Germany	Thermal vacuum chamber (Phenix, ESTEC/ETS): 4 m diameter × 10 m length, <10...	on request
Image all-in-one service	Hancom InSpace	South Korea	Form factor: 6U CubeSat (200x100x300 mm)	on request
Imager Control System (ICS)	XCAM	United Kingdom	Sensor: Teledyne e2v 'Capella', 2k x 2k back-illuminated, 10 µm pixels	on request
Imager Control System (ICS) for Detector Evaluation	XCAM	United Kingdom	Sensor: Teledyne e2v CIS 300	on request
InSpace Satellite Ground Station System and Satellite Image Analysis Service	Hancom InSpace	South Korea	–	on request
InStation Platform	Hancom InSpace	South Korea	–	on request
Instrument SCOE	CELESTIA Satellite Test & Simulation	Netherlands	Form factor: Integrated 19" rack or tabletop enclosure	on request
Integrated Test Rack (ITR) / Ground Support Equipment	Tiger Innovations, Inc.	United States	Rack Format: 19" shock-mounted rack, up to 32U	on request
Integrated TT&C and Data Transmission Ground System	Emposat Co., Ltd.	China	12m station – Uplink frequency: 7145MHz–7250MHz, step 1kHz	on request
Integration Stand 1	Glavkosmos	Russia	Purpose: Canting from vertical to horizontal position and 360° rotation of ...	on request
Integration Stand 2	Glavkosmos	Russia	Purpose: The Product maintenance circle-wise using the service platforms of...	on request
Intellian MIL-SPEC VSAT	Intellian Technologies	South Korea	Military Certification: Mil-Std 167-A (shock and vibration), Mil-Std 461-F ...	on request

PRODUCT	MANUFACTURER	COUNTRY	KEY SPECIFICATION	PRICE
Iridium Certus Land C200L	Intellian Technologies	South Korea	Network: Iridium LEO L-band network of 66 satellites	on request
Iridium Certus Maritime Terminals (C200M, C700, C700 Winterized)	Intellian Technologies	South Korea	C700 Uplink Speed: 352 Kbps	on request
ISISPACE Training Platform	ISISPACE Group	Netherlands	Manufacturer: ISISPACE	€9 800
IVK-01N Complex	Glavkosmos	Russia	Purpose: Automated spacecraft technical condition testing and routine maint...	on request
JFPC-C8051 Programming Adapter	Pumpkin, Inc.	United States	SKU: 710-00488	\$50
JFPC-MSP430 Programming Adapter	Pumpkin, Inc.	United States	SKU: 634-00334	\$50
JFPC-PIC24 Programming Adapter	Pumpkin, Inc.	United States	SKU: 710-00540	\$50
JUPITER™ System for Cellular Satellite Backhaul	Hughes Network Systems	United States	Throughput per terminal: 200 Mbps+	on request
Ka user terminal	Greenerwave	France	Status: In development	on request
Ka/Q/V-Band Gateway Antenna	Calian (SatService)	Canada	Reflector diameter: 10 m	on request
Kacific CommsBox	Kacific Broadband Satellites	Singapore	Download speed: Up to 6 Mbps (burst), 2.4 Mbps standard	on request
Kacific CommsBox Ultra	Kacific Broadband Satellites	Singapore	Download speed: Up to 30 Mbps	on request
Kerosene Cooling System	Glavkosmos	Russia	Purpose: The System is intended for kerosene cooling down in the Units.	on request
Kerosene Supply System	Glavkosmos	Russia	Purpose: The System is intended for rocket fuel supply/ discharge to/ from ...	on request
Kerosene Supply System 1	Glavkosmos	Russia	Purpose: The System is intended for LV First and Second Stages tanks fillin...	on request
Kongsberg Space Communication Systems	Kongsberg Defence & Aerospace — Space Division	Norway	Products: Maritime SATCOM terminals, SOTM antennas, military SATCOM termina...	on request
Kratos 3.9 Meter Trifold™ Transportable Satellite Antenna System	Kratos Defense & Security Solutions	United States	Optics Type: Dual Reflector Gregorian	on request
Kratos KPBESA40M.C2 4.0 Meter Earth Station Antenna	Kratos Defense & Security Solutions	United States	Optics Type: Dual Reflector Gregorian	on request
KSATlite	KSAT (Kongsberg Satellite Services)	Norway	Ground stations (KSATlite): 26 globally distributed stations	on request
Ku GEO	Greenerwave	France	Dimensions: ~ 54 cm x 63 cm x 11 cm	on request
Ku GEO/LEO 9 dB/K	Greenerwave	France	Dimensions: ~ 54 cm x 63 cm x 11 cm	on request

PRODUCT	MANUFACTURER	COUNTRY	KEY SPECIFICATION	PRICE
Ku LEO User Terminal	Greenerwave	France	–	on request
Kumsan Teleport Services	KT SAT	South Korea	–	on request
LABCAL	Climats	France	Available Volumes: 20 L, 30 L, 60 L, 100 L	on request
Labsat – Test and Development Setup	Alba Orbital	United Kingdom	–	on request
LabSat 3	LabSat	United Kingdom	Constellations: GPS/Galileo/SBAS/QZSS, GLONASS, or BeiDou	on request
LabSat 3 Wideband	LabSat	United Kingdom	Constellations: GPS L1, L2, L5; Galileo E1, E5a/b, E6; GLONASS G1, G2, G3; ...	on request
LabSat 4	LabSat	United Kingdom	Constellations: GPS L1, L2, L5; Galileo E1, E5a/b, E6; GLONASS G1, G2, G3; ...	on request
Lattice OS Space Domain Awareness	Anduril Industries	United States	Product: Lattice OS – AI-powered autonomous C2I platform	on request
LatZero Link Network	Astralintu Space Technologies	Ecuador	Antenna diameter: 0.65 m	on request
Launch Pad Count Down Test System (SDSC-SHAR)	Data Patterns (India) Ltd.	India	–	on request
Launch System	Glavkosmos	Russia	Purpose: LS is intended for ILV with various Payloads holding up when prela...	on request
LCS MiniNODE	LiquidCool Solutions	United States	Ingress protection: IP67	on request
LCS Small-Scale Server (SSS)	LiquidCool Solutions	United States	Power range: 1.1 - 8 kW	on request
LCS ZPServer (Zero-Pressure Server)	LiquidCool Solutions	United States	Cooling capacity: up to 4 kW per 2U	on request
Leaf Hosting — Ground Station Co-Location	Leaf Space	Italy	Service Type: Infrastructure co-location (your hardware at Leaf Space sites)	on request
Leaf Key — Dedicated Ground Station	Leaf Space	Italy	Access Model: 100% dedicated or part-time dedicated (shared)	on request
Leaf Line — Ground Segment as a Service	Leaf Space	Italy	Ground Station Network: 40+ stations across 19 global locations	on request
Leanspace Platform	Leanspace	–	Use cases: Active debris removal, life extension, multi-phase missions	on request
Lehar S-band Broadcast Receiver	Saankhya Labs	India	Frequency Band: 2560 – 2590 MHz	on request
Leidos Space Mission Systems Integration	Leidos Space	United States	Company: Leidos Holdings (NYSE: LDOS) – >\$15B annual revenue	on request

PRODUCT	MANUFACTURER	COUNTRY	KEY SPECIFICATION	PRICE
LeoLabs Global Radar Network	LeoLabs	United States	Network operation: 24/7 global radar network	on request
LEOP Services	Swedish Space Corporation (SSC)	Sweden	–	on request
Liquid Crystal Flat Panel Antenna	ALCAN Systems	Germany	Antenna Type: Electronically steerable flat-panel (liquid crystal phase shi...	on request
Liquid Nitrogen Supply System	Glavkosmos	Russia	Purpose: System is intended for Liquid Nitrogen intaking, storing and deliv...	on request
Liquid Oxygen Supply System	Glavkosmos	Russia	Purpose: System is intended for Liquid Oxygen intaking, storing and deliver...	on request
LNB/LNA Low Noise Amplifiers	EUROSATCOM	France	C Band LNB frequency: 3.4-4.2 GHz	on request
Load Board	Pumpkin, Inc.	United States	SKU: 711-00651	\$255
Load Module	Pumpkin, Inc.	United States	VCC_SYS: +3.3V	on request
LoadPath 3U CubeSat Mass Simulator	LoadPath (Redwire)	–	Design simulates: mass and center of mass of a 3U CubeSat	on request
LoadPath 6U CubeSat Mass Simulator	LoadPath (Redwire)	–	Design simulates: mass and center of mass of a 6U CubeSat	on request
LORETT EO Ground Station	Lorett	Russia	–	on request
Low Voltage Packaged Devices	Glavkosmos	Russia	Purpose: Receiving and distributing electrical power among consumers, elect...	on request
LRS Hardware Testing for Extreme Environments	Lunar Research Service	Ukraine	Test capabilities: Vibration testing, vibroacoustics, modal characteristics...	on request
LSC-F03	Tianqi Satellite (Guodian Gaoke)	China	Dimensions: ø100mmx42.9mm[H]	on request
Lumen Thermal Vacuum (TVAC) Test System	Hypernova Space Technologies	South Africa	Facility location: Cape Town, South Africa	on request
Lunar Ground Segment	Intuitive Machines	United States	–	on request
Lunar Highland Simulant (LRS-H)	Maana Electric	Luxembourg	Simulant name: LRS Lunar Highland Simulant	on request
Lunar Mare Simulant (LRS-M)	Maana Electric	Luxembourg	Simulant name: LRS Lunar Mare Simulant	on request
Lunar Research Service (LRS)	Lunar Research Service	Ukraine	–	on request
Lunar Research Service (LRS) Hardware Testing & Mission Services	Lunar Research Service	Ukraine	Flight heritage: LRS 3U satellite launch agreement with Rocket Factory Augs...	on request

PRODUCT	MANUFACTURER	COUNTRY	KEY SPECIFICATION	PRICE
Lunar Services	Swedish Space Corporation (SSC)	Sweden	Data Rates: 5 kbps to 80 Mbps	on request
LV Thermal Conditioning System [high pressure]	Glavkosmos	Russia	Purpose: Intaking of compressed air and nitrogen under pressure of 38...40 Mp...	on request
LV Thermal Conditioning System [low pressure]	Glavkosmos	Russia	Purpose: Air preparation (cleaning, drying, heating) and delivery to LV com...	on request
LVDS Front-End	CELESTIA Satellite Test & Simulation	Netherlands	Channels: Up to 4 parallel inputs/outputs (8-bit)	on request
LYRASENSE Geo Agentic Platform	LYRASENSE	–	Platform type: Cloud-based agentic AI geospatial analytics SaaS	on request
MA61C EGSE	Space Products and Innovation (SPiN)	Italy	Interfaces supported: SpaceWire, I2C, CAN, UART, MIL-STD-1553, GPIO	on request
MADS 3D Dynamic Simulator	Adcole Space (Redwire)	United States	Manufacturer: MAI	€8 661
MagicSBAS®	gmv	Spain	SBAS Standards Compliance (L1 Legacy): RTCA/D0-229F, ICAO SARP	on request
Magnet	gmv	Spain	Operational since: 2012	on request
Magnetic Field Simulator	Glavkosmos	Russia	Purpose: Designed for magnetic field simulation along the orbital trajectory...	on request
Major Tom (Operations as a Service)	Xplore Inc.	United States	Deployment: Cloud-based / SaaS	on request
Marine Satellite Communication Terminals	Haige Communications	China	Products: Marine VSAT antennas, BeiDou message terminals, vehicle SATCOM	on request
MASER Engineering Satellite Ground Equipment	MASER Engineering	Netherlands	Products: Ground station equipment, RF systems	on request
Mass-spectrometer Helium Leak Detector Type	Glavkosmos	Russia	Year of release: 2011	on request
MCR4 High Performance SCPC Receiver	SpaceBridge Inc.	Canada	–	on request
MCR8 High Performance SCPC Receiver	SpaceBridge Inc.	Canada	–	on request
Measuring Instrument KS T-406N Tester	Glavkosmos	Russia	Purpose: T-406N KS tester is intended to control technical characteristics ...	on request
Mechanical Shock Testing	Element Defense	United States	–	on request
Mechanical Shock Testing Services	Experior Laboratories	United States	Classical shock: Up to 1,500 G	on request
Mechanical Unit of Antenna Pointing System. Type 1	Glavkosmos	Russia	Rotation angle for each axis: ± 25 °	on request
MEGA Multi-Beam Electronic Antenna (MEOLUT Phased Array)	TTI Norte	Spain	Frequency band: L-band	on request

PRODUCT	MANUFACTURER	COUNTRY	KEY SPECIFICATION	PRICE
Metamaterial Antenna and Communication Technologies	Kuang-Chi (Shenzhen Kuang-Chi Institute of Advanced Technology)	China	Technology: Electromagnetic metamaterials – engineered microstructured mate...	on request
Metrology	General Atomics Synopta GmbH	Switzerland	Capabilities: Point spread function, focal length, distortion, magnificatio...	on request
MIL-1553 Front-End	CELESTIA Satellite Test & Simulation	Netherlands	Form factor: 19" 2U hardware platform	on request
Military Satellite Communication Terminals	Aselsan (Space Division)	Turkey	Products: SOTM terminals, vehicle/ship/airborne SATCOM, secure tactical links	on request
MinoPad portable station	MinoSpace	China	Antenna type: 0.3m equivalent-aperture Ku-band antenna	on request
MinoSpace Advanced Equipment Manufacturing Laboratory	MinoSpace	China	Total area: nearly 5,000 square meters	on request
Minospace Commercial Satellite Intelligent Production Line	MinoSpace	China	Facility Size: 48,600 m²	on request
Mirror-lens Objectives	Glavkosmos	Russia	Purpose: Complete set of ground-based OEC	on request
Mission Control Center (MCC)	SPUTNIX	Russia	Type: Mission Control Center (software & facility)	on request
Mission Operations and Operations Engineering Services	Swedish Space Corporation (SSC)	Sweden	–	on request
Mobile Ground Satellite Communication Station ZSSS-L	Glavkosmos	Russia	Purpose: Designed to work in Ku-band trunks used in the Luch MSRS.	on request
Mobile Range Safety Tracking and Telemetry System (RSTS)	Alaska Aerospace Corporation	United States	–	on request
Mobile Satcom Antennas	ThinKom Solutions, Inc.	United States	Compatible with: wide-beam and HTS Ku-band services	on request
Mobile Service Tower	Glavkosmos	Russia	Purpose: MST is intended for pre-launch preparation and launch of ILV with ...	on request
Mobile VSAT Satellite Antenna Systems	C-COM Satellite Systems	Canada	System: iNetVu auto-deploying mobile VSAT antenna family	on request
MOD1250 DVB-S2X Wideband Modulator	SpaceBridge Inc.	Canada	Symbol rate: 1.5 Msps to 500 Msps	on request
Model 2265 Multi-Channel PCM Bit Synchronizer	GDP Space Systems	United States	Channels: Up to 4 per 2U chassis	on request
Model 2265EC Multi-Channel PCM Bit Synchronizer / Encapsulator	GDP Space Systems	United States	Channels: Up to 4 per 2U chassis	on request
Model 2267C Multi-Channel Correlating Best Source Selector	GDP Space Systems	United States	Input streams: Up to 16	on request
Model 2365A Multi-Channel PCM Bit Synchronizer	GDP Space Systems	United States	Channels: Up to 8 per 4U chassis	on request

PRODUCT	MANUFACTURER	COUNTRY	KEY SPECIFICATION	PRICE
Model 4426 2U/3U Digital RF Receiver Dual / Quad Channel	GDP Space Systems	United States	RF Frequency: S Band 2185-2485 MHz, Upper L Band 1700-1850 MHz, Lower L Ban...	on request
Model 4460 Portable Digital RF/IF Receiver	GDP Space Systems	United States	Chassis Dimensions: 10.75 x 12 x 1.75 inches high	on request
Model RDM207 Digital RF Receiver	GDP Space Systems	United States	Form Factor: Single-slot PCI card	on request
Modular Chamber (CM) Volume over 3m³	Climats	France	Volumes: from 8 to 100 m³	on request
Modular Chamber for Burn-In (RELY STATION)	Climats	France	Temperature Range: 0°C to +70°C	on request
MPT-G Multi-Purpose Trolley Giga	RUAG Space	Switzerland	Motion: Table tilts and rotates to any attitude between spin axis vertical ...	on request
MSNG-2500C Mini Rack Mount Spectrum Analyzer	AVCOM of Virginia	United States	Frequency Range: 5–2300 MHz	on request
MuDash	Muon Space	United States	Function: Cloud-based Command, Control & Communication (C3) platform	on request
Multi-Domain RF Awareness — Next Generation Service	Unseenlabs	France	Constellation generation: Second generation – microsatellites (upgrade from...	on request
Multi-DUT Burn-In / Screening Tester UTP 9065	NOFFZ Technologies	Germany	Test type: Multi-DUT burn-in, screening, long-term functional test	on request
Multi-Mode Active Radar Real-Time Target Signal Simulator	Beijing Huali Chuangtong Technology Co., Ltd.	China	–	on request
Multi-Purpose Interface Platform (MPIP)	CELESTIA Satellite Test & Simulation	Netherlands	Chassis: 3U 19" rack mountable or tabletop (4U/2U variants available)	on request
Munitions Testing	Element Defense	United States	–	on request
Nanosatellite Debug Board	Glavkosmos	Russia	Purpose: Board designed to allow debugging of any onboard system or full na...	on request
NBSPACE Services	NBSpace	Thailand	–	on request
NF-AMF Hexahedron (Near Field Antenna Measurement Facility)	Sisir Radar	India	Maximum Scanning Area: 1.5 m x 1.5 m	on request
Nigerian Satellite Augmentation System (NSAS)	Nigcomsat	Nigeria	Service Type: Satellite-Based Augmentation System (SBAS) / Navigation Overl...	on request
Nitrogen System for Purge and Fire Protection	Glavkosmos	Russia	Purpose: Compressed Nitrogen delivery from Compressed Gases Storage (CGSE) ...	on request
Noninterrupted Power Supply Equipment Set	Glavkosmos	Russia	Purpose: Transmission of AC power to consumers via a five-wire network with...	on request

PRODUCT	MANUFACTURER	COUNTRY	KEY SPECIFICATION	PRICE
NPL Space Metrology and Calibration Services	National Physical Laboratory (NPL)	United Kingdom	Services: Precision metrology, sensor calibration	on request
OceanTRx 4 and OceanTRx 7 Maritime SATCOM Terminals	Orbit Communication Systems	Israel	OceanTRx 4 Bands: X, Ku, Ka and wideband Ka	on request
Optical Ground Station (OGS)	Swedish Space Corporation (SSC)	Sweden	–	on request
Optical Ground Stations	General Atomics Synopta GmbH	Switzerland	S-AOGS telescope size: > Ø 0.5 m	on request
Optical Quantum Ground Station (OQGS)	QEYSSat (Quantum Encryption and Science Satellite)	Canada	Type: Optical Quantum Ground Station (OQGS)	on request
Optical Star Pattern Simulator (OSPS)	TY-Space Technology	China	Field Of View: 15°×15°	on request
Optical Telecommunication Terminal	Glavkosmos	Russia	Guaranteed service life: 25 years	on request
Optoelectronic system of detection and measurement of space debris motion	Glavkosmos	Russia	Purpose: Operation with the composition of ground-based means of the automa...	on request
OrbitCmd®	Qwaltec	United States	Delivery Format: Virtual machine (VM)	on request
OrbiThru	Astrome Technologies	India	Type: Software-defined satellite modem	on request
OrbitXchange™	Parsons Space	United States	–	on request
Orthomode Transducers (OMTs)	TTI Norte	Spain	OMT Full-Band Q/U/V: Q/U/V band	on request
OSI Optical Sky Stimulator	Jena-Optronik	–	Function: Dynamic closed-loop end-to-end star sensor testing	on request
OSPS Optical Star Pattern Stimulator	Jena-Optronik	–	Function: Static star pattern simulation (open-loop)	on request
Outdoor Frequency Converter (UPC-Ext)	TTI Norte	Spain	TYPE: Q band Down converter, dual channel	on request
Parabolic Series Maritime	Intellian Technologies	South Korea	Operating Temperature: -40 degrees Celsius (low-temperature performance)	on request
PCM Bit Synchronizers	GDP Space Systems	United States	Performance: Better than 1dB from theory all the way down to -3dB Eb/No	on request
PEB1 VA416X0 Radiation-Hardened MCU Development Kit	VORAGO Technologies	United States	Target MCU Options: VA41620 or VA41630 (ARM Cortex-M4, HARDSIL)	on request
PFO 1040	XCAM	United Kingdom	Total Detection Area: 4 cm2	on request
PIE-SAR	PIESAT Information Technology	China	Characteristics: Automatic and high-accuracy SAR block adjustment	on request

PRODUCT	MANUFACTURER	COUNTRY	KEY SPECIFICATION	PRICE
Piezoelectric Pressure Pulsation Sensor LH 604	Glavkosmos	Russia	Estimated production / delivery time: 6 months	on request
Piezoelectric Pressure Pulsation Sensor LH 608	Glavkosmos	Russia	Range of measurements of pressure pulsations, Mpa: 0,05-5,0	on request
PJP-CP26 Conformal Printer	Space Foundry	United States	Process: Single-step atmospheric-pressure plasma jet printing, no pre- or p...	on request
PJP-DT155 Desktop System	Space Foundry	United States	Process: Single-step atmospheric-pressure plasma jet printing, no pre- or p...	on request
Platform for Installation of Cubesat 3U satellite	Glavkosmos	Russia	Purpose: Designed for CubeSat 3U satellite with ADCS installation to test o...	on request
Platform for Installation of Tabletsat Devices	Glavkosmos	Russia	Purpose: Designed for "TabletSat" satellite devices installation to test on...	on request
Platform for Installation of the Satellite Tabletsat	Glavkosmos	Russia	Purpose: Designed for "TabletSat" satellite installation to test on air-bea...	on request
Pneumatic Testing Services	Element Defense	United States	–	on request
PORTABLE RECEIVER-INDICATOR GN	Glavkosmos	Russia	Purpose: The navigation receiver 14Ts820 is intended for the provision of s...	on request
Portable Satcom Antennas (ThinPack family)	ThinKom Solutions, Inc.	United States	Spectral efficiency: up to 2 bits/Hz	on request
Power Module of the Mobile Temperature Control Unit	Glavkosmos	Russia	Purpose: Supply of electric power to the mobile temperature control unit du...	on request
Precision Electronic Component Testing for Critical Systems	AAA Engineering & Test Lab	United States	Years of hands-on expertise in MIL-STD and NASA programs: 15+	on request
Primary Linear Displacement Transducer Vt 718	Glavkosmos	Russia	Purpose: Measurement of linear displacements of objects in rocket and space...	on request
Program Complex for Processing, Monitoring and Visualization of Geospatial Data	Glavkosmos	Russia	Year of release: 2019	on request
Program Complex for Visualization of Geospatial Data	Glavkosmos	Russia	Year of release: 2017	on request
PSA-2500C Portable Spectrum Analyzer	AVCOM of Virginia	United States	Frequency Range: 5 MHz–2300 MHz	on request
PSA-4200C	AVCOM of Virginia	United States	Applications: Satellite, TV and Radio Broadcasting, CATV, Wireless, TCSM, a...	on request

PRODUCT	MANUFACTURER	COUNTRY	KEY SPECIFICATION	PRICE
Pumping Station	Glavkosmos	Russia	Working fluid: Oil MGE-10A TU 38.401-58-337-2003 Purity class not lower tha...	on request
QS RF Locator	Quadsat ApS	Denmark	Function: Drone-based RF interference localization	on request
QS RF Measurement System (QS 1-18 DL)	Quadsat ApS	Denmark	Frequency Range: 1–18 GHz	on request
Quadsat Antenna Measurement System	Quadsat ApS	Denmark	Measurement capabilities: Pointing accuracy, tracking and handover, radiati...	on request
Quasar Sense — Space Domain Awareness System	Quasar Satellite Technologies	Australia	Product type: Space Domain Awareness (SDA) RF intelligence system	on request
Rackmount SUPERNOVA Satellite Simulator (RS3)	Pumpkin, Inc.	United States	Form factor: 2U rackmount unit	\$45 000 – \$60
Radar Environment Signal Simulator	Beijing Huali Chuangtong Technology Co., Ltd.	China	–	on request
Radar Seeker Integrated Tester	Beijing Huali Chuangtong Technology Co., Ltd.	China	–	on request
Radar Test System UTP 5065	NOFFZ Technologies	Germany	Test type: Direct near- field radar sensor test	on request
Radian Reusable Reentry Vehicle (R3V)	Radian Aerospace	United States	Flight profiles: High- speed, high-stress (launch through hypersonic transit...	on request
RAFTI Ground Coupling (Pre-Launch Fueling Adapter)	Orbit Fab	United States	Compatible Interface: RAFTI (Rapidly Attachable Fluid Transfer Interface)	on request
Railway Communication on the Move (COTM) Service	Taqnia Space	Saudi Arabia	–	on request
Rassvet User Terminals	Bureau 1440	Russia	Installation Types: Fixed (residential/commercial), mobile (vehicle/maritim...	on request
RBC Signals Fractional & Dynamic Spectrum Leasing and Ground Stations as a Service (GSaaS)	RBC Signals	United States	Antenna Network Size: Over 80 antennas	on request
Recovery tower	Cosmoleap	China	–	on request
Redwire Space nv Facility (Kruibeke, Belgium)	Redwire Space Belgium (ex-QinetiQ Space)	Belgium	ISO7 cleanroom area: 450 m ²	on request
Redwire Star Field Simulator	Redwire Corporation	United States	Dimensions (W x L x H): 8 x 24 x 7 in (200 x 610 x 180 mm)	on request
Redwire Sun Sensor Stimulator System	Redwire Corporation	United States	Stimulus type: Infrared LED illumination per sun sensor cell	on request
Remote Control Unit M&C GaN SSPA/BUC/UC Systems Indoor	TTI Norte	Spain	Dimensions (L x W x H): 404 x 220 x 151 mm	on request
Remote Control Unit M&C GaN SSPA/BUC/UC Systems Outdoor	TTI Norte	Spain	Dimensions (L x W x H): 404 x 220 x 151 mm	on request

PRODUCT	MANUFACTURER	COUNTRY	KEY SPECIFICATION	PRICE
Research Flights	Zero-G Solutions	United States	Parabolas per research flight: 30 (double standard flight)	on request
RF Intelligence Reports — Customized Maritime Analysis	Unseenlabs	France	Report types: Intelligence reports, situational context analysis, forensic ...	on request
RF Management Units	TTI Norte	Spain	Functions: Signal routing, distribution, amplification, attenuation, monito...	on request
RF Maritime Surveillance — Standard Data Service	Unseenlabs	France	Coverage per pass: ~300,000 km2 per RF data collection	on request
RF SCOE	CELESTIA Satellite Test & Simulation	Netherlands	Form factor: 19" rack	on request
RF Spectrum Analyzers for Signal Intelligence	Aaronia AG	Germany	Frequency Range: DC – 40 GHz (product family)	on request
RF Suitcase	CELESTIA Satellite Test & Simulation	Netherlands	Form factor: Transportable system	on request
Robotic Arm Integration Printer	Space Foundry	United States	Process: Single-step atmospheric-pressure plasma jet printing, orientation ...	on request
Robotic Testbed for Satellite Servicing	Lunasa Space	United Kingdom	Arm Payload capacity: Upto 30 kg	on request
ROTARY JIG	EnduroSat	Bulgaria	Diameter: 400 mm	on request
RSA-2500B	AVCOM of Virginia	United States	Up to 6 Inputs: in 1RU Enclosure	on request
RSOC (Responsive Space Operations Centre)	Saber Astronautics	Australia	Operations model: 24/7, follow-the-sun, US and Australia	on request
Runway & Hangars — Horizontal Launch & Aerial Test Facility	Hokkaido Spaceport (SPACE COTAN)	Japan	Runway dimensions: 1,300 × 30 m (asphalt paved)	on request
S-Band Multibeam Phased Array Ground Station	Quasar Satellite Technologies	Australia	Frequency band: S-band	on request
S-band Part-turn Antenna System	Glavkosmos	Russia	Purpose: Designed for receiving signals in the S-band from satellite repeat...	on request
S-Band Receiver for HISPICO (Ground Station)	IQ Spacecom	—	Price: €7,800	€7 800
S-Band Test Cap	WiRan	Poland	Frequency range: 2025-2290 MHz	on request
S3T Surveillance Radar & Optical Fence (Space Surveillance & Tracking)	Deimos Space (Indra)	Spain	Radar antenna: 13.2 m Cassegrain, C-band (4-8 GHz), Moron Air Base, Spain	on request
SA-MOD-1-9-B Embedded Spectrum Analyzer Module	AVCOM of Virginia	United States	Frequency Range (Model 2290): 900–2200 MHz	on request
SATCOM/VSAT Antenna Terminals	EUROSATCOM	France	Sizes: 60cm, 80cm, 100cm, 130cm	on request

PRODUCT	MANUFACTURER	COUNTRY	KEY SPECIFICATION	PRICE
Satcube Ku	Satcube AB	Sweden	Dimensions: 470 x 300 x 55 mm	on request
Satcube Motion	Satcube AB	Sweden	Dimensions: 500 x 500 x 290 mm	on request
Satcube Secure	Satcube AB	Sweden	Dimensions: 470 x 320 x 75 mm	on request
Satellite Broadband & Data Services	KT SAT	South Korea	–	on request
Satellite Data Receiving Training Station	Glavkosmos	Russia	Purpose: Radiosignals receiving for analisys and use in project activity.	on request
Satellite Ground Segment Services	Cingulan Space	Australia	Services: Mission engineering, satellite operations support	on request
Satellite Ground Stations Network	Swedish Space Corporation (SSC)	Sweden	–	on request
Satellite Ground Systems	Kongsberg Defence & Aerospace — Space Division	Norway	Systems: TT&C, mission operations, data processing, AIS/VDES	on request
Satellite IoT Communication Terminal	Tianqi Satellite (Guodian Gaoke)	China	Message Communication: Max 120 bytes per message	on request
Satellite Link Monitoring and Spectrum Management	Apolink	United States	Platform: Real-time satellite link monitoring + spectrum management	on request
Satellite Operations Service	Vyoma GmbH	Germany	Delivery model: Cloud-based or on-premise SaaS	on request
Satellite Qualification & Acceptance Testing Services	Serenum Space	Czech Republic	Mechanical test types: Resonance search, quasistatic, sine, random, shock	on request
Satellite Safety Service	Vyoma GmbH	Germany	Delivery model: Cloud-based SaaS subscription	on request
Satellite Terminals (Aurora / Ares)	Thorium Space Technology	Poland	Aurora Pro band: Ka	on request
Satellite Transport and Shipping Containers	RUAG Space	Switzerland	Container types: Hat-off, tilt-lid, door-type roll-in, large An124-compatib...	on request
SatNOGS	Libre Space Foundation	Greece	–	on request
SatSim — Satellite Pass Emulator	Quadsat ApS	Denmark	Function: Orbital trajectory emulation via UAV	on request
SBM-90X Wideband GEO SCPC Professional Modem	SpaceBridge Inc.	Canada	Aggregate throughput: Up to 1.47 Gbps (Symmetric 723Mbps)	on request
SBS2-2150E-RSA	AVCOM of Virginia	United States	Input Frequency Range: 950MHz to 2150MHz (extended L-Band)	on request
SCAL CTH2	Climats	France	Touchscreen: Extra-large 15" touchscreen	on request
SCAL CTH3/CTY Thermal Shock Chamber (3 environments)	Climats	France	Temperature Range: -90°C to +180°C (+220°C optional)	on request

PRODUCT	MANUFACTURER	COUNTRY	KEY SPECIFICATION	PRICE
SCAL CTK	Climats	France	SCAL 230CTK7.5 Temperature Range: -80/+180°C	on request
SCAL-CTR	Climats	France	Display: Extra-large 15" touchscreen	on request
SCO-M Spacecraft Container Mega	RUAG Space	Switzerland	Product line: Beyond Gravity spacecraft containers (SCO)	on request
SCOUT	Arctic Space Technologies	Sweden	Reflector Diameter: 2.4m / 3.7m	on request
SDR Rack	Alén Space	Spain	Availability: 16 weeks	on request
Sensor of Rapidly Varying Pressure 612M	Glavkosmos	Russia	Estimated production / delivery time: 6 months	on request
Set of Fixing Devices of Nanosatellite	Glavkosmos	Russia	Purpose: Designed for fixing of the nanosatellite at the desktop of the equ...	on request
SGRS-12P Ground Station	Satrev (SatRevolution)	Poland	Bands: UHF (redundant TT&C), S-band (data downlink)	on request
Signal Analyzers / Spectrum & Beacon Receivers	EUROSATCOM	France	EVO-CLM (Rev B): L-Band or 400-3000 MHz, compact form factor	on request
Signaling Device	Glavkosmos	Russia	Year of release: 2006	on request
Silicon Labs USB Debug Adapter	Pumpkin, Inc.	United States	SKU: 633-00489	\$100
SIMAC-6 Multi-Constellation GNSS Simulator	Accord	India	Channels: 120+	on request
Simulsat 5B Multibeam Earth Station	ATCi	United States	Satellites simultaneously received: Up to 35 (70° view arc) / Up to 37 (75°...	on request
Simulsat 7A Multibeam Earth Station	ATCi	United States	Satellites received simultaneously: Up to 37	on request
Single Sampler EGSE	Lens R&D	Netherlands	Manufacturer: Lens R&D	€11 887
skyEGSE-comm (S-band)	SkyLabs d.o.o.	Slovenia	Type: CCSDS-compliant SDR ground station equipment	on request
skyEGSE-comm (UHF/VHF)	SkyLabs d.o.o.	Slovenia	Type: CCSDS-compliant SDR ground station equipment	on request
skyEGSE-LINK2	SkyLabs d.o.o.	Slovenia	Standard: IPC Class 3+	on request
Skynopy Ground Station Service	Skynopy	France	Funding: 15M€	on request
Skynopy Ground Station Services	Skynopy	France	Funding: 15M€	on request
Slayton Space Communicator	Solstar Space	United States	Communication type: Broadband, bi-directional	on request
SLS Stationary Basing	Yuzhnoye Design Bureau	Ukraine	Annual Launch Capacity: 12 launches/year	on request
Small Space Environment Simulation System	Xi'an Institute of Optics and Precision Mechanics (XIOPM)	China	Type: Thermal-vacuum space environment simulation chamber	on request

PRODUCT	MANUFACTURER	COUNTRY	KEY SPECIFICATION	PRICE
Small-size Gyromagnetic Inclinometer	Glavkosmos	Russia	Maximum operating temperature: 120°C	on request
SmartLITE System	hiSky	Israel	–	on request
SNG-2500C	AVCOM of Virginia	United States	Design: Simple and easy to use design at a low price	on request
SOC-100 Hemispherical Directional Reflectometer	Surface Optics Corporation	United States	Spectral Range: 2.0 – 25.0 λ (μm) / 5000 – 400 cm-1 Range can be modified b...	on request
SOC-210 Bidirectional Reflectometer	Surface Optics Corporation	United States	Spectral range: 0.35-14 micron	on request
Solar Array Simulator (SAS)	Tiger Innovations, Inc.	United States	Number of Channels (4U base): 8 - 16	on request
Solar Panel Check Stand	Glavkosmos	Russia	Purpose: Provides weight relief and opening-out testing of small-size Produ...	on request
Solar Weightless System	Glavkosmos	Russia	Purpose: Designed for ground testing (weightlessness) of spacecraft equipme...	on request
Solstar LWIFI-X — Lunar WiFi Access Point	Solstar Space	United States	Type: Radiation-hardened WiFi access point	on request
Sorasys	Look Up Space	France	Object size detection: Down to a few centimeters	on request
Space Catalog Analytics and Orbit Prediction	Almagest Space	United States	Platform: Orbital analytics SaaS: conjunction analysis, HPOP propagation, P...	on request
Space Data Analytics and Intelligence	CACI International	United States	Services: SSA analytics, ground system integration, intelligence analysis s...	on request
Space Debris Laser Ranging and Tracking	EOS (Electro Optic Systems)	Australia	Technology: Precision laser ranging (SLR), photon-counting debris detection	on request
Space Object Radar Tracking Network	LeoLabs	United States	Minimum Trackable Object: 2 cm (LEO)	on request
Space Object Tracking and SSA Services	Digantara	India	Approach: In-space radar sensor + ground-based data fusion (hybrid SSA)	on request
Space PFO	XCAM	United Kingdom	Total Detection Area: 4 cm2	on request
Space Qualified Coaxial Termination	KRYTAR	United States	Model TIM-SQ: DC-20.0 GHz, 1.05 max VSWR, 3.5mm male	on request
Space Situational Awareness Sensors	Hensoldt	Germany	TIRA Radar: 34 m L-band phased array, ISAR imaging, Wachtberg, Germany	on request
Space Traffic Management AI Platform	Instinct Space	United Kingdom	Product: AI decision platform for autonomous collision avoidance	on request
Space-Based Surveillance (SBS) — ATM Services from Space	Skykraft	Australia	Service types: Surveillance (SBS), Voice Communications	on request

PRODUCT	MANUFACTURER	COUNTRY	KEY SPECIFICATION	PRICE
			(SBS Voice), Data C...	
Spaceborne Radar Echo Signal Simulator	Beijing Huali Chuangtong Technology Co., Ltd.	China	–	on request
Spacecraft Interface Simulator (SIS)	CELESTIA Satellite Test & Simulation	Netherlands	Flight heritage: SOHO, CLUSTER, ROSETTA	on request
Spacecraft Lifting Devices	RUAG Space	Switzerland	Actuation: Electrical or manual	on request
Spacecraft Navigation and Trajectory Software	Emergent Space Technologies	United States	Core Capability: Precision orbit determination, trajectory analysis, maneuv...	on request
Spaceport Nova Scotia	Maritime Launch Services	Canada	Location: Nova Scotia, Canada	on request
Spaceports (Kodiak and Fairbanks)	Alaska Aerospace Corporation	United States	PSCA Location: Kodiak Island, Alaska	on request
Special Transportation Vehicle with a Container	Glavkosmos	Russia	Purpose: Transportation of LV parts and other heavy-weight loads	on request
SPECTRAN V6 TABLET	Aaronia AG	Germany	Frequency range (family): 9 kHz up to 18 GHz (model-dependent, up to 140 GH...	on request
SpinLaunch Suborbital Accelerator	SpinLaunch	United States	Vacuum chamber span: 33 meters	on request
SSA Systems	Indra Sistemas	Spain	Optical data accuracy: better than one arcsecond	on request
SSC Space Go	Swedish Space Corporation (SSC)	Sweden	–	on request
ST 6100	Orbcomm	–	–	on request
Standard Fluxgate Magnetometer	Magson GmbH	Germany	Sensor type: Tri-axial fluxgate, single or dual sensor configuration	on request
Star Field Simulator	Adcole Space (Redwire)	United States	Function: Star field generation for star tracker functional verification	on request
Star Field Simulator	Pyxis Space	Germany	Interface: USB-C DP or Micro-HDMI	€35 000
STARGATE	Mbryonics	Ireland	–	on request
STARGATE Optical Ground Station	Mbryonics	Ireland	Data transmission capacity: 1000x larger than traditional methods	on request
Starry Sky Simulator	Glavkosmos	Russia	Purpose: Designed for star trackers testing together with other ADCS compon...	on request
Static Test System	TY-Space Technology	China	Optical Star Pattern Simulator: Static star simulator, North Pole Area/Cust...	on request
Stream Ground Station	SPACE-SI (Slovenian Centre of Excellence for	Slovenia	Frequency: Up to 40 GHz broadband/multiband LEO communications	on request

PRODUCT	MANUFACTURER	COUNTRY	KEY SPECIFICATION	PRICE
	Space Sciences and Technologies)			
Suborbital Rocket Telemetry & Communication System	Thorium Space Technology	Poland	Telemetry downlink band: S-band	on request
Sun Simulator (halogen)	Glavkosmos	Russia	Purpose: Designed for testing of ADCS Sun orientation capability	on request
Support-rotary Device 1	Glavkosmos	Russia	Purpose: Designed for use in antenna systems with mirror sizes up to 5 m in...	on request
Support-rotary Device 2	Glavkosmos	Russia	Purpose: For use in antenna systems with a mirror size of up to 6 m in diam...	on request
SX-GND-03 Laboratory UHF Transceiver	SPUTNIX	Russia	Type: Laboratory UHF transceiver	on request
SXL-AC-01 Anechoic Chamber	SPUTNIX	Russia	Type: Mobile anechoic (EMC) chamber	on request
Synthesis System of IR Images	Glavkosmos	Russia	Purpose: Designed to create dynamic infrared images of arbitrary topology i...	on request
Tactical Antenna Systems	Kratos Defense & Security Solutions	United States	Aperture Range: 2.4 - 4.0 m	on request
TARANG L-Band Multi-Channel Burst Demodulator	Saankhya Labs	India	Frequency Range: 950-2150 MHz	on request
TDEMI ULTRA	GAUSS Instruments	Germany	Frequency range: DC to 40 GHz	on request
Technical Condition Monitoring System	Glavkosmos	Russia	Year of release: 2014	on request
TensorEGSE	Tensor Tech (thermal)	Taiwan	Dimensions: 164 x 96 x 27 (H) mm3	on request
Term, SMA-m, 26.5GHz, 1W (Item #2001-61XX-0X-CRYO)	XMA Corporation	United States	Item #: 2001-61XX-0X-CRYO	on request
Test Bench for Mutual Movement of Spacecraft	Glavkosmos	Russia	Dimensions, mm: 5000kh6000kh3000	on request
Test Bench For Nanosatellite Attitude Control System	Glavkosmos	Russia	Purpose: Conducting testing of control algorithms. Training of students and...	on request
Test Bench for RASCube Modules	Robinson Aerospace Systems	Australia	Compatibility: RASCube V1, V2 and LB	on request
Test Bench to Examine Radio-Technical Performance of Antennas	Glavkosmos	Russia	Purpose: High precision transfer and rotation of the target object in the 3...	on request
Test Space	TRL Space	Czech Republic	shaker force: 45 kN (90 kN Shock)	on request
Test support services	Swedish Space Corporation (SSC)	Sweden	–	on request
TestPod	Innovative Space Logistics	Netherlands	–	on request

PRODUCT	MANUFACTURER	COUNTRY	KEY SPECIFICATION	PRICE
Thai National Radio Telescope	NARIT (National Astronomical Research Institute of Thailand)	Thailand	Diameter: 40-meter	on request
Thai Robotic Telescope (TRT) Network	NARIT (National Astronomical Research Institute of Thailand)	Thailand	–	on request
The Array — Commercial Dish Array Network	Cascade Space	United States	MINI configuration: S-band G/T 25.6 dB/K, EIRP 66.9 dBW; X-band G/T 35.4 dB...	on request
Thermoelectric Converter DT 27	Glavkosmos	Russia	Purpose: Temperature measurement of aggressive (liquid oxygen) and non-aggr...	on request
ThumbNet N3 SDR Receiver	ThumbSat	United States	Tuner IC: R820T2	\$25.75
Tianqi AIS Emergency Rescue Terminal Alarm-03	Tianqi Satellite (Guodian Gaoke)	China	–	on request
Tianqi Automatic Weather Monitoring Station	Guodian Gaoke (Tianqi Satellite)	China	PM2.5 range: 0~1000 µg/m³, resolution 0.1 µg/m³, accuracy ±15%	on request
Tianqi Cold-Chain Container Monitoring Terminal	Tianqi Satellite (Guodian Gaoke)	China	–	on request
Tianqi Communication Gateway	Tianqi Satellite (Guodian Gaoke)	China	Message Communication: Max 120 bytes/time	on request
Tianqi Satellite Emergency Distress Terminal	Tianqi Satellite (Guodian Gaoke)	China	Tianqi Communication Message Communication: Supports sending Tianqi message...	on request
Tianqi Weather Monitoring Station	Tianqi Satellite (Guodian Gaoke)	China	PM2.5/PM10: PM2.5 0–1000 µg/m³; PM10 0–2000 µg/m³; resolution 0.1 µg/m³; ac...	on request
TICRA Tools – Integrated Antenna Design Platform	TICRA	Denmark	Integrated Software: GRASP, CHAMP 3D, POS, ESTEAM	on request
TILT	TRL Space	Czech Republic	Integrate CubeSats of sizes from: 6-16 U	on request
TM/TC Front-End	CELESTIA Satellite Test & Simulation	Netherlands	Form factor: 19" 3U hardware platform	on request
TM/TC IPU (Telemetry & Telecommand Interface Unit)	SSBV Aerospace & Technology	Netherlands	–	on request
Tokenized Ground Station Network	Orbit:Linx	United Kingdom	–	on request
Top Cable Mast	Glavkosmos	Russia	Purpose: TCM is intended for electric lines connexion to ILV instrument bay...	on request
Total Phase Beagle I2C/SPI Protocol Analyzer	Pumpkin, Inc.	United States	SKU: 634-00522	\$495
Tpod L CubeSat Test Fixture	LAUNCH42	Netherlands	Size: TPOD-L	€15 800
Tpod M CubeSat Test Fixture	LAUNCH42	Netherlands	Size: TPOD-M	€11 500

PRODUCT	MANUFACTURER	COUNTRY	KEY SPECIFICATION	PRICE
Tracker 6000 X/C Band Tracking Antenna	CM Technology (CMT)	United States	Frequency: X-band / C-band	on request
Transformable Reflectors Weightless System	Glavkosmos	Russia	Year of release: 2016	on request
Transport Units for Aggressive Liquids Transportation	Glavkosmos	Russia	Purpose: Transport Unit is intended for transportation of aggressive liquid...	on request
Transportable Antenna Systems	Kratos Defense & Security Solutions	United States	Models: 3.9m Trifold Transportable Antenna; 4.6m Trifold Transportable Antenna	on request
Transportable Ground Station	Glavkosmos	Russia	Purpose: Designed to work in Ku-band trunks used in the Luch MSRS.	on request
Transportable Receiver-Indicator GV	Glavkosmos	Russia	Purpose: Work through space navigation systems (SNS)	on request
Transportation Vehicle	Glavkosmos	Russia	Purpose: Transportation of the Products by public roads in a thermostatical...	on request
Transporter-Erector	Glavkosmos	Russia	Purpose: The Transporter-Erector is intended for ILV (integrated with autom...	on request
Transporter-Erector Automatic Mating Units Set	Glavkosmos	Russia	Year of release: Development start 2015	on request
TreeNet & Leaf Line	Leaf Space	Italy	Ground Stations: +40	on request
Trimble Alloy GNSS Reference Receiver	Trimble	United States	GNSS chipset: Dual Trimble Maxwell 7, 672 channels	on request
TRONE & CRUSOE EGSE	TRL Space	Czech Republic	TRONE - TRL level: 4	on request
TT&C Modem (Ground Station)	CELESTIA Satellite Test & Simulation	Netherlands	IF inputs/outputs: 2 (typically 70MHz)	on request
TT&C Processor (TTCP)	CELESTIA Satellite Test & Simulation	Netherlands	IF inputs: 2 to 5 (56MHz-1.85GHz)	on request
TTC Modem for AIT (TTC-IMBU)	CELESTIA Satellite Test & Simulation	Netherlands	IF inputs/outputs: 2 (typically 70MHz)	on request
TTC-IMBU (Integrated Modem & Baseband Unit)	SSBV Aerospace & Technology	Netherlands	–	on request
Turnkey Satellite Teleport Ground Communications	CM Technology (CMT)	United States	Frequency: 3.5GHz Tx/Rx	on request
TVC Thermal Vacuum Chamber / Space Simulator	Climats	France	Vacuum Level: Down to ~10 ⁻⁷ mbar	on request
Two-channel Weight-measuring Platform Devices	Glavkosmos	Russia	Purpose: Weighing of transport / fuelling containers in the static weighing...	on request
UAV Satcom Test Tools	Gatehouse Satcom	Denmark	–	on request
UHF COMM 4G0 Half Duplex Modem	NanoAvionics	Lithuania	Form factor: 1U modem	on request

PRODUCT	MANUFACTURER	COUNTRY	KEY SPECIFICATION	PRICE
Ultra-High-Speed Streak Camera	Xi'an Institute of Optics and Precision Mechanics (XIOPM)	China	Technology: Photoelectric streak tube with CCD/CMOS readout	on request
Umbilical Mast	Glavkosmos	Russia	Year of release: 2008	on request
Uninterrupted and Backup Power Supply System	Glavkosmos	Russia	Purpose: Supply of category A electricity to consumers	on request
UNISEC Europe Bus Starter Kit	S4 - Smart Small Satellite Systems GmbH	Germany	Satellite bus connector: Compact/robust backplane, redundant power + high/l...	on request
Unit for Temperature Control and Rinsing of the Product's Liquid Fluid Temperature Control system	Glavkosmos	Russia	Year of release: 2014	on request
Universal Wireless Tester (UWT)	NOFFZ Technologies	Germany	Standards supported: 5G NR, LTE, WCDMA, GSM, V2X, 802.11 a/b/g/n/ac/ax/p, B...	on request
USB Debug Adapter	Pumpkin, Inc.	United States	Connector: 4-pin FPC serial terminal/debug connector	on request
VacCam	XCAM	United Kingdom	Dimensions: 50 x 50 x 60 mm (excl. lens and USB connector)	on request
VACCO ΔTEL Differential Pressure Indicator	VACCO Industries	United States	Material: Aluminum (std), Corrosion Resistant Steel (optional)	on request
VFF-AMF InnoWave 4 (Vertical Far Field Antenna Measurement Facility)	Sisir Radar	India	Angular Precision: 0.45 deg	on request
Viasat Multi-Mission Terminal (MMT)	Viasat, Inc.	United States	–	on request
VICTS Gateway Array Antenna	ThinKom Solutions, Inc.	United States	Technology: VICTS	on request
VICTS Ground Terminal – Mobile and Fixed SATCOM	ThinKom Solutions, Inc.	United States	Technology: VICTS	on request
VICTS Phased Array – Commercial In-Flight Connectivity Antenna	ThinKom Solutions, Inc.	United States	Technology: VICTS (Variable Inclination Continuous Transverse Stub)	on request
VICTS Special Mission Aero Antenna	ThinKom Solutions, Inc.	United States	Technology: VICTS	on request
Volume over 3m³ Rigid Structure Type G	Climats	France	Volumes: from 3 m³ to 100 m³	on request
VSAT and Satellite Network Solutions	Comsat Systems	India	Technology: VSAT (Ku, Ka, C-band); GEO + LEO hybrid capable	on request
VSAT Network Infrastructure and Broadband Services	Gilat Satellite Networks	Israel	Products: SkyEdge VSAT hub + terminals, network management software	on request
VSAT Satellite Beacon Receiver BR400L	C-COM Satellite Systems	Canada	Form Factor: 19-inch rack mount	on request
VXI Modules	Data Patterns (India) Ltd.	India	Product Name: DP-VXI-1101	on request
Vyunok Educational Satellite Data Reception Station	SPUTNIX	Russia	Type: Educational SDR receiving station	on request

PRODUCT	MANUFACTURER	COUNTRY	KEY SPECIFICATION	PRICE
WarpHub InterSat	WARPSPACE Inc.	Japan	Service type: Optical inter-satellite data relay network	on request
WarpON! (WarpHub InterSat Onboarding Solutions)	WARPSPACE Inc.	Japan	Service type: Optical communications integration and onboarding	on request
Weight-measuring Device UVR-200	Glavkosmos	Russia	Year of release: 2018	on request
Weight-measuring Platform Devices	Glavkosmos	Russia	Purpose: Weighing of transport fuelling containers in the static weighing m...	on request
Weight-measuring Two-channel Device UVDR-1200	Glavkosmos	Russia	Purpose: Weighing of transport-fuelling containers in the static weighing m...	on request
WINCAL	Climats	France	Chamber type: Walk-in chamber, rigid structure	on request
WizardLink Front-End	CELESTIA Satellite Test & Simulation	Netherlands	Channels: Up to 4 WizardLink channels in parallel	on request
X-Band Down-Converter	Azista Space (Azista Aerospace)	India	Frequency band: X-Band	on request
X-Band LNA for Earth Observation & Lunar Communications	TTI Norte	Spain	Variant 1 frequency: 7.9 - 8.5 GHz	on request
X-Band Multibeam Phased Array Ground Station	Quasar Satellite Technologies	Australia	Frequency band: X-band	on request
X-band Satellite Data Reception Station	Lorett	Russia	Frequency Band: X-band	on request
XO-VAC	Exobotics	United Kingdom	Price: From £48,000 (base model)	from £48 000
Xovian Vertically Integrated Space-to-Cloud Platform	Xovian Aerospace	India	Integration scope: Satellite hardware, ground/cloud software, AI analytics	on request
XRC (eXperimental Receiver Canvas)	gmv	Spain	—	on request
Xuanque Rugged Field Command Terminal	OneSpace Technologies	China	—	on request
Zavitok Satellite Ground Station (M / S-L)	SPUTNIX	Russia	Type: SDR satellite ground station	on request
Zero Bias Schottky Detectors 203A	KRYTAR	United States	Minimum Frequency: 10 MHz	on request

Products by manufacturer

R&D company providing miniaturized radiation dosimeters and EMC filters for space and ground applications. TRL-9 flight heritage.



27G TECHNOLOGY

27G PLF20A EMC Power Line Filter

Advanced power-line EMC filter for shielded rooms, EMC labs, and server rooms — stops electrical disturbances and information leakage.

Dimensions	145 × 120.5 × 114.5 mm
Configurations	Three-phase / dual single-phase / 50A single-phase / DC
Mounting	Wall mount
Protection	Lightning strike and voltage surge
Insertion loss	Low

price on request

datasheet



27G TECHNOLOGY

27G RadNano-EB Evaluation Board

A complete evaluation setup containing a RadNano-EM model with additional circuitry and connectors, also serving as an add-on board for development projects.

UART Protocol	9600 8-N-1
I2C Protocol	Standard

price on request

AAA Engineering & Test Lab provides precision electronic component testing, upscreening, failure analysis, and counterfeit mitigation services for aerospace, space, defense, medical, and industrial ap

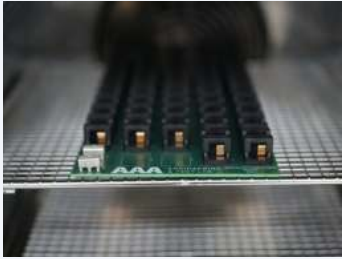


AAA ENGINEERING & TEST LAB

AAA Engineering & Test Lab

AAA Engineering & Test Lab delivers rigorous semiconductor and electronic component testing to MIL-STD-202, MIL-STD-461, MIL-STD-750, MIL-STD-883, MIL-STD-1580, and NASA specif

Testing standards	MIL-STD-202, MIL-STD-461, MIL-STD-750, MIL-STD-883, MIL-STD-1580, NASA specifications
Key standards & certifications - Military & NASA	MIL-STD-202, MIL-STD-461, MIL-DT-750, MIL-STD-883, MIL-STD-1580; NASA MIL-PRF for environm
Key standards & certifications - Quality Systems	ISO 9001, AS9100, ISO/IEC 17025, AS6081/AS6171, ANSI ESD S20.20



AAA ENGINEERING & TEST LAB

Precision Electronic Component Testing for Critical Systems

AAA Engineering & Test Lab offers comprehensive electronic component testing services, including electrical, environmental, mechanical, and chemical testing, to ensure reliabil

Years of hands-on expertise in MIL-STD and NASA programs	15+
Accreditation for electrical, environmental and mechanical testing scopes	ISO 9001/AS9100
Accreditation for counterfeit mitigation testing and authentication	ISO/IEC 17025 AS6081/AS6171
Key Standards & Certifications - Military & NASA	MIL-STD-202, MIL-STD-461, MIL-DT-750, MIL-STD-883, MIL-

Key standards & certifications - Regulatory	ITAR Registered, EAR Compliant, DFARS/FAR Adherent
Experience	15+ Years of hands-on expertise in MIL-STD and NASA programs
price on request datasheet	

	STD-1580; NASA MIL-PRF for environm
Key Standards & Certifications - Quality Systems	ISO 9001, AS9100, ISO/IEC 17025, AS6081/AS6171, ANSI ESD S20.20
price on request datasheet	

Aaronia AG

GERMANY · 2003 · 2 PRODUCTS

Aaronia AG develops and manufactures spectrum analyzers, spectrum analysis software, and drone detection and defense systems, all produced in Germany.



AARONIA AG

RF Spectrum Analyzers for Signal Intelligence

Aaronia AG's SPECTRAN HF/V5 portable and fixed-installation RF spectrum analyzers for monitoring satellite communication signals, interference, and spectrum management.

Frequency Range	DC – 40 GHz (product family)
Real-time Bandwidth	160 MHz (100% POI at these bandwidths)
Flagship Product	SPECTRAN HF-60120 V5 RTSA
Applications	Satellite spectrum monitoring, interference hunting, EMC, SIGINT
Bands	L, S, C, X, Ku, Ka band monitoring

[price on request](#)



AARONIA AG

SPECTRAN V6 TABLET

A rugged, handheld real-time spectrum analyzer in a tablet form factor, offered in configurations up to 18 GHz for detecting and geolocating RF interference during live satellite g

Frequency range (family)	9 kHz up to 18 GHz (model-dependent, up to 140 GHz across full V6 line)
Real-Time Bandwidth	44 MHz (up to 490 MHz on other V6 tablet variants)
Sweep speed	max. 3 THz/s; well over 1.5 THz/s at 18 GHz span
Sensitivity (DANL)	-170 dBm/Hz
Internal storage	max. 16 TB

[price on request](#) [datasheet](#)

Accord

INDIA · 1991 · 1 PRODUCT

Accord Software & Systems designs and manufactures customized GPS/GNSS receivers for space applications and GPS/GNSS semiconductor chips for defense and commercial markets.



ACCORD

SIMAC-6 Multi-Constellation GNSS Simulator

120+ channel dual-frequency GNSS simulator supporting GPS, GLONASS, Galileo, BeiDou, NavIC, SBAS, and DGNSS with high-dynamics simulation for receiver testing.

Channels	120+
Constellations	GPS, GLONASS, Galileo, BeiDou, NavIC, SBAS, DGNSS
Frequencies	Dual-frequency including NavIC L5 and S-band
Hardware update rate	Up to 10 ms
Output formats	RINEX, NMEA
price on request	

Adcole Space (Redwire)

UNITED STATES · 1957 · 2 PRODUCTS

Redwire is an integrated aerospace and defense company providing advanced technologies for space infrastructure, autonomous systems, and multi-domain operations to government agencies and defense cont



ADCOLE SPACE (REDWIRE)

MADS 3D Dynamic Simulator

The dynamic simulator provides a HITL (Hardware In The Loop) test set for the MAI-400 which verifies and validates all software and hardware functions in a bench top setting. In...

Manufacturer

MAI

Lead time

90 days

€8 661



ADCOLE SPACE (REDWIRE)

Star Field Simulator

Ground support equipment that generates a simulated star field for functional testing and verification of the SpectraTRAC and other Adcole Space star trackers during spacecraft int

Function

Star field generation for star tracker functional verification

Compatible Products

SpectraTRAC and other Adcole Space star trackers

Test Capabilities

Lost in Space initialization, tracking, quaternion output, interface verification

Status

In Production

price on request

datasheet

AeroVironment (Tomahawk Robotics)

UNITED STATES · 1 PRODUCT

AeroVironment delivers integrated defense systems, including unmanned aircraft, robotics, and space systems, to allied operators globally.



AEROVIRONMENT (TOMAHAWK ROBOTICS)

BADGER

BADGER (Broad Area Deployable Ground terminal enabling Resilient communication) is AeroVironment’s flagship space-domain ground system, packaged in a deployable 20-foot ISO c

Orbital coverage	GEO / ME0 / LEO
Frequency bands	L/S/C-Band
Scan angle	±60 degrees
Simultaneous operations	4 TX / 12 RX beams
Amplifier power	Distributed 2-kilowatt high-power amplifier

price on request

datasheet

Aevum

UNITED STATES · 2016 · 1 PRODUCT

US autonomous launch company developing Ravn X, an unmanned, runway-launched, reusable autonomous launch vehicle (AuLV) for rapid small-satellite deployment to low Earth orbit.



AEVUM

Aurora Autonomous Program Management System

Aevum's Aurora software system that autonomously coordinates all aspects of a space launch mission — from pre-flight planning through payload deployment — without human operators.

Type	Autonomous launch mission management software
Function	Full mission autonomy from planning through payload deployment
Military Application	Tactically Responsive Launch (TRL) – 24-hour satellite launch capability
Key Contract	AFRL ASLON-45 program
Vehicle Integration	Tight coupling with Ravn X autonomous launch system

price on request

Alaska Aerospace Corporation provides commercial vertical orbital launch services and operates spaceport facilities for government and commercial customers.



ALASKA AEROSPACE CORPORATION
Mobile Range Safety Tracking and Telemetry System (RSTS)

Alaska Aerospace Corporation proprietary mobile Range Safety, Tracking, and Telemetry System (RSTS) provides comprehensive range safety support for rocket launches at PSCA and at s

price on request



ALASKA AEROSPACE CORPORATION
Spaceports (Kodiak and Fairbanks)

This page details two key space launch facilities in Alaska: the Pacific Spaceport Complex-Alaska (PSCA) on Kodiak Island, an FAA-licensed commercial orbital spaceport, and the Pok

PSCA Location	Kodiak Island, Alaska
PSCA Launch History	Launching suborbital and orbital rockets since 1998
PSCA License	First FAA licensed commercial spaceport
PSCA Commercial Status	Only commercial vertical orbital spaceport in operation not co-located on a Federal range
PSCA US Ranking	One of only four orbital vertical rocket launch sites in the United States

price on request

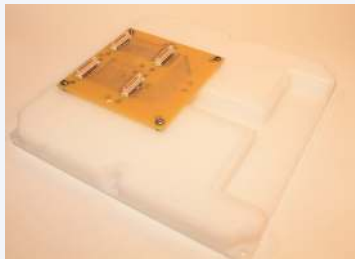
Alba Orbital manufactures PocketQube satellites, provides launch and ground station services, and operates a fleet of nighttime imaging satellites for government and commercial clients.



ALBA ORBITAL
1p/2p/3p Horizontal Integration Support Jig

A horizontal integration jig that supports the assembly of 1p, 2p, or 3p PocketQube stacks into the primary structure, with a raised design suitable for testing deployables like an

Length	272 mm
Width	125 mm
Height (without Spacecraft)	40
Clearance below Spacecraft	10 mm



ALBA ORBITAL
Labsat – Test and Development Setup

The Labsat is a test and development setup designed for PocketQube boards, allowing users to safely test and characterize single boards or full stacks without direct interaction.

price on request [datasheet](#)

Material	Acetal
price on request	

ALCAN Systems

GERMANY · 2014 · 1 PRODUCT

German developer of liquid-crystal-based electronically steerable flat-panel antennas for satellite (LEO/MEO/GEO) broadband and 5G mmWave connectivity, with no moving parts.



ALCAN SYSTEMS	
Liquid Crystal Flat Panel Antenna	
ALCAN Systems' electrically steerable flat-panel satellite antenna using liquid crystal technology — enabling thin, low-profile SATCOM terminals for aircraft, ships, and vehicles.	
Antenna Type	Electronically steerable flat-panel (liquid crystal phase shifters)
Frequency	Ka-band (Ku-band options available)
Beam Steering	Electronic (no moving parts)
Profile	Flat, thin – aerodynamically favorable
Applications	Aircraft in-flight WiFi, maritime SATCOM, military vehicle comms

price on request

Almagest Space

UNITED STATES · 2022 · 1 PRODUCT

Almagest Space is building the Space Superhighway — an ultra-high-throughput E-band and optical data relay network in LEO for secure, low-latency satellite connectivity approaching fiber-optic speeds.



ALMAGEST SPACE	
Space Catalog Analytics and Orbit Prediction	
Almagest Space's orbital data analytics platform — catalog-quality conjunction analysis, orbit prediction, and space traffic management tools drawing on the Almagest astronomical c	
Platform	Orbital analytics SaaS: conjunction analysis, HPOP

	propagation, Pc computation
Core Tools	Catalog screening, collision probability (Pc), maneuver planning
Target Users	Commercial constellation operators needing professional STM tools
Model	SaaS – democratizes STM for operators without in-house astrodynamics teams
Name Inspiration	Ptolemy's Almagest – ancient Greek star catalog (systematic celestial knowledge)
price on request	

Alén Space

SPAIN · 2008 · 2 PRODUCTS

Alén Space designs, manufactures, and operates small satellites, providing end-to-end mission development services and advanced communication platforms, subsystems, and components for space and ground



ALÉN SPACE

Alén Space Ground Station Kit (GS-Kit)

The Alén Space Ground Station Kit (GS-Kit) is a cost-effective solution for establishing communication with Low Earth Orbit (LEO) satellites, supporting up to three frequency bands

Availability16 weeks

price on request [datasheet](#)



ALÉN SPACE

SDR Rack

The SDR Rack is a rackable dual Software Defined Radio with an integrated Power Amplifier, compatible with GNU Radio for implementing new waveforms and protocols.

Availability16 weeks

price on request [datasheet](#)

Anduril Industries

UNITED STATES · 2017 · 1 PRODUCT

US defense autonomy company in Costa Mesa, CA; founded 2017; Lattice AI platform for space domain awareness; autonomous systems for US Space Force and DoD.



ANDURIL INDUSTRIES

Lattice OS Space Domain Awareness

Anduril's Lattice OS extended to space domain awareness — autonomous space object tracking, threat assessment, and command-and-control for US Space Force missions.

Product	Lattice OS – AI-powered autonomous C2I platform
Space Application	Space Domain Awareness (SDA) for US Space Force
Capabilities	Satellite threat detection, collision assessment, automated response, SDA C2
Founded	2017, Costa Mesa, California (Palmer Luckey, Oculus founder)
Valuation	\$14 billion (2023)
price on request	

Antwerp Space

BELGIUM · 1972 · 1 PRODUCT

Belgian satellite communication system integrator providing RF payload equipment, telemetry systems, and ground terminal technology for institutional and commercial space programs.



ANTWERP SPACE	
Ground Segment Equipment for LEO Constellations	
Antwerp Space's satellite modems, low-noise amplifiers, and baseband processing equipment for LEO constellation ground station networks.	
Products	Satellite modems (S/X/Ka-band), LNAs, baseband processing, VSAT terminals
Applications	LEO constellation gateways, maritime VSAT, military SATCOM, TT&C
Primary Market	LEO constellation ground network equipment
Parent	OHB SE (since 2016)
HQ	Antwerp, Belgium
price on request	

Apolink is a Y Combinator-backed space startup building a LEO data relay constellation for 24/7 real-time satellite connectivity using hybrid RF and optical links.



APOLINK
Satellite Link Monitoring and Spectrum Management

Apolink's satellite link performance monitoring and spectrum management tools — enabling operators to optimize satellite communication link budgets and manage interference.

Platform	Real-time satellite link monitoring + spectrum management
Metrics	C/N, BER, received signal level, rain fade detection
Functions	Link diagnostics, interference identification, ITU coordination filing support
Customers	Teleport operators, satellite operators, ground station network managers
Bands	Ku, Ka, C-band transponders

price on request

Arctic Space Technologies

Arctic Space Technologies operates one of the most advanced commercial satellite ground stations in the Arctic, providing satellite communications and ground segment services from Luleå in Northern Sweden.



ARCTIC SPACE TECHNOLOGIES
Arctic Space Center

The Arctic Space Center is a commercial satellite ground station located at 65.34°N in Piteå, Northern Sweden, offering ground station services for polar-orbiting LEO satellites.

Location	Piteå, Northern Sweden at 65.34°N
Antennas	Over 30



ARCTIC SPACE TECHNOLOGIES
SCOUT

SCOUT is a flat-packed, rapidly deployable ground station antenna designed for S- and X-band communication with spacecraft, integrating into the HIVE network for global coverage.

Reflector Diameter	2.4m / 3.7m
Bands	S-Band: RX and TX, X-Band: RX

Satellite Coverage	Polar orbiting LEO satellites (up to twelve passes per day), from Mediterranean to North P
Energy Source	Sustainable power plants (wind and hydro), with backup generators and UPS systems
Connectivity	Two fully redundant fiber routes, 100 Mbps to 10 Gbps
price on request	

Polarisation	S-Band: LHCP/RHCP Switchable, X-Band: LHCP/RHCP Simultaneously
S-Band RX Frequency	2025–2120 MHz
S-Band TX Frequency	2200–2300 MHz
price on request	

Aselsan (Space Division)
TURKEY · 1975 · 1 PRODUCT

Turkish defense electronics company developing satellite communication payloads, EO cameras, and satellite subsystems as part of Turkey's space program.

ASELSAN (SPACE DIVISION) Military Satellite Communication Terminals Aselsan's military SATCOM-on-the-move terminals and secure satellite communication systems for Turkish Armed Forces and export customers.	
Products	SOTM terminals, vehicle/ship/airborne SATCOM, secure tactical links
Military Standards	EMCON compliant, LPI/LPD, jam-resistant waveforms
Platform Coverage	Land vehicles, ships, aircraft
National Programs	Turksat 6A payload components, Turkish Space Agency programs
HQ	Ankara, Turkey
price on request	

Astralintu Space Technologies
ECUADOR · 2020 · 2 PRODUCTS

Equatorial Ground Station as a Service (GSaaS) provider delivering complete equatorial coverage for satellite missions.

 ASTRALINTU SPACE TECHNOLOGIES Equatorial Stargate High-capacity multi-band teleport at 0° latitude, S/X/Ka-band, Tier-3-aligned, targeted operational Q4 2026.	
Location	0°26'19" N, 78°13'37" W, Quito, Ecuador
Frequency bands	S, X, Ka
Operations supported	Downlink, uplink, TT&C
Antenna classes (Q4 2026)	3.7m and 7.3m

ASTRALINTU SPACE TECHNOLOGIES LatZero Link Network The LatZero Link Network provides equatorial ground station coverage for satellite missions, aiming to reduce latency and increase data capture for various orbital types.	
Antenna diameter	0.65 m
Frequency	Ka-band (20/30 GHz)
Throughput	Up to 200 Mbps
Tracking	Motorised Az/El
Weatherproofing	IP66
price on request	

Future antenna expansion	5.4m class; additional 3.7m and 7.3m systems
price on request	

Astroflash

JAPAN
2019
1
PRODUCT

Japanese space entertainment company founded 2019 in Tokyo developing satellites visible from the ground for entertainment and cultural events, with satellite development services.

ASTROFLASH
Astroflash Satellite Ground Services

Japanese satellite ground station and communications services company supporting LEO satellite operators in the Asia-Pacific region.

Services	Ground station and communications support
Region	Asia-Pacific

price on request

Astrome Technologies

INDIA
2015
1
PRODUCT

Deep-tech company building next-generation millimeter-wave wireless and satellite communications products, from E-band terrestrial backhaul to S-band through V/W-band space links.



ASTROME TECHNOLOGIES
OrbiThru

OrbiThru is a secure, software-defined satellite modem developed by Astrome Technologies, configurable as a hub or user terminal.

Type	Software-defined satellite modem
Modes	Hub or user terminal (configurable)
Security	User-configurable encryption
Architecture	FPGA-based, fully reprogrammable

price on request

ATCi is a Chandler, Arizona-based satellite communications company and the market leader in multibeam antenna technology, best known for its Simulsat product line.



ATCi
ATCi Parabolic Antenna 3.7m C/Ku-Band Prime Focus Rx

The ATCi 3.7 Meter C/Ku-Band Prime Focus Receive-Only Antenna delivers high performance for satellite communications ground stations. Manufactured by Prodelin, this antenna feature

Diameter	3.7 m
C-Band Gain	42.3 dB at 4 GHz
Ku-Band Gain	51.1 dB at 12 GHz
Beamwidth (-3 dB) C-Band	1.4 degrees at 4 GHz
Beamwidth (-3 dB) Ku-Band	0.48 degrees at 12 GHz

price on request



ATCi
ATCi Parabolic Antenna 4.5m C/Ku-Band Prime Focus Rx

The ATCi 4.5 Meter C/Ku-Band Prime Focus Receive-Only Antenna is a precise, quality state-of-the-art antenna for satellite ground stations. Manufactured by Prodelin, the antenna fe

Diameter	4.5 m
C-Band Gain	42.3 dB at 4 GHz
Ku-Band Gain	51.1 dB at 12 GHz
Beamwidth (-3 dB) C-Band	1.4 degrees at 4 GHz
Beamwidth (-3 dB) Ku-Band	0.48 degrees at 12 GHz

price on request



ATCi
ATZC-10-100 C-Band VSAT Transmitter SSPA

The ATCi ATZC-10-100 C-Band VSAT Transmitter series offers a wide range of output power options from 10 to 100 watts, with additional power levels available upon request. Weighing

Frequency Band	C-Band
Output Power Range	10-100 W (custom available)
Weight	26-82 lbs
Input	L-Band
Output	Flange or coax

price on request



ATCi
Simulsat 5B Multibeam Earth Station

The Simulsat 5B is a multibeam earth station antenna capable of simultaneously receiving signals from up to 35 satellites within a 70° view arc, offering equal performance for each

Satellites simultaneously received	Up to 35 (70° view arc) / Up to 37 (75° satellite arc)
Supported Bands	C-Band, Ku-Band, C/Ku-Band, Ka-Band, X-Band, S-Band, Inclined Orbit
Antenna Type	Fixed, no moving parts
Construction	Commercial Quality Composite
Equivalent Performance	Like 35 parabolics / 4.5 M C-Band Prime Focus Parabolic Antennas

price on request

[datasheet](#)



ATCI

Simulsat 7A Multibeam Earth Station

The Simulsat 7A is a multibeam Earth station antenna capable of simultaneously receiving signals from up to 37 satellites across a 75° view arc, supporting various frequency bands

Satellites received simultaneously	Up to 37
View arc	75°
Supported Bands	C-Band, Ku-Band, C/Ku-Band, Ka-Band, X-Band, S-Band, Inclined Orbit
Antenna Type	Fixed, no moving parts
Construction	Commercial Quality Composite

[price on request](#) [datasheet](#)

Atlas Space Operations

UNITED STATES · 2015 · 1 PRODUCT

US Ground Software as a Service (GSaaS) provider operating a federated global antenna network for satellite telemetry, tracking and command.



ATLAS SPACE OPERATIONS

Federated Ground Network

A federated, network-of-networks antenna infrastructure of 50+ antennas across 30+ ground stations worldwide, accessible through a single integration with the Freedom platform.

Network size	50+ antennas across 30+ ground stations
Country coverage	20+ countries
Frequency bands	S-band, X-band, Ka-band, UHF
Orbit types	LEO, MEO, GEO
Representative antenna hardware	Orbit Communication Systems Gaia-100 (L-band to K-band, radome-enclosed)

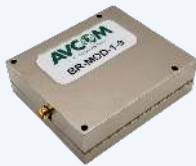
[price on request](#) [datasheet](#)

AVCOM of Virginia

UNITED STATES · 12 PRODUCTS

AVCOM of Virginia is a satellite communications equipment manufacturer founded in 1976, specializing in spectrum analyzers, satellite beacon receivers,

and RF signal monitoring products.



AVCOM OF VIRGINIA

BR-MOD (Series)

The BR-MOD (Series) is a satellite beacon receiver designed for embedded applications, capable of tracking CW, BPSK, and DVB-like carrier signals, and also functions as a full-func

INPUT CONNECTORS	SMA
NOMINAL INPUT IMPEDANCE	50 Ω (SMA)
MAX DC INPUT VOLTAGE	25V
INPUT FREQUENCY RANGE: MODEL 2290 (Default)	MIN (MHz) 900, MAX (MHz) 2200
INPUT FREQUENCY RANGE: MODEL 3040	MIN (MHz) 400, MAX (MHz) 3000

price on request datasheet



AVCOM OF VIRGINIA

DRSA-2500B / TRSA-2500B Dual/Triple Spectrum Analyzer

Dual or triple embedded spectrum analyzers in 1U rack, for simultaneous multi-carrier satellite monitoring.

Frequency Range	5 MHz – 2,300 MHz
Span Width	Up to 1300 MHz
Resolution Bandwidth	10 kHz, 100 kHz, 300 kHz, 1 MHz
RF Sensitivity	>-85 dBm typical
Dynamic Range	50 dBm GUI window

price on request datasheet



AVCOM OF VIRGINIA

EVO-CLM (Rev B) Compact Spectrum Analyzer

Compact spectrum analyzer built on DSP/FPGA platform, supports Ethernet/USB, 900–3000 MHz or 400–3000 MHz.

Frequency Range (Model 2290)	900–2200 MHz
Frequency Range (Model 3040)	400–3000 MHz
Max Span Width	1300 MHz
Resolution Bandwidth	1 kHz, 3 kHz, 10 kHz, 30 kHz, 100 kHz, 300 kHz, 1 MHz
RF Sensitivity (-40 REF LVL)	-100 dBm

price on request datasheet

FULL MODEL NAME LIST

Connector	Number of Inputs	Frequency	
		900 to 2200MHz	400 to 3000MHz
SMA (50Ω)	1	EVO-RSA-2290B-1S	EVO-RSA-3040B-1S
BNC (50Ω)	1	EVO-RSA-2290B-1B	EVO-RSA-3040B-1B
F (75Ω)	1	EVO-RSA-2290B-1F	EVO-RSA-3040B-1F
N (50Ω)	1	EVO-RSA-2290B-1N	EVO-RSA-3040B-1N

AVCOM OF VIRGINIA

EVO-RBR (Rev B)

The EVO-RBR is a satellite beacon receiver designed for reliable operation and monitoring in rackmount applications, capable of tracking CW, BPSK, and DVB-like satellite beacon car

INPUT CONNECTORS	SMA, BNC, F, and/or N
NOMINAL INPUT IMPEDANCE	50 Ω (SMA, BNC, N) 75 Ω (F)
MAX DC INPUT VOLTAGE	25 V
INPUT FREQUENCY RANGE: MODEL 2290 MIN	900 MHz
INPUT FREQUENCY RANGE: MODEL 2290 MAX	2200 MHz

price on request datasheet



AVCOM OF VIRGINIA

EVO-RSA Rev B

The EVO-RSA is a rack-mount, extended-band RF spectrum analyzer with up to 12 inputs, built on a new DSP/FPGA platform for reliable signal monitoring and control in satcom ground-s

Input Connectors	SMA, BNC, F, and/or N
Nominal Input Impedance	50 Ω (SMA, BNC, N); 75 Ω (F)
Max DC Input Voltage	25 V
Input Frequency Range - Model 2290	900 MHz to 2200 MHz
Input Frequency Range - Model 3040	400 MHz to 3000 MHz

[price on request](#) [datasheet](#)



AVCOM OF VIRGINIA

MSNG-2500C Mini Rack Mount Spectrum Analyzer

The MSNG-2500C is a mini rack mount spectrum analyzer designed for monitoring and measuring communication and broadcast carriers, particularly in satellite communications.

Frequency Range	5–2300 MHz
Span Width	Up to 1300 MHz
Resolution Bandwidth	10 kHz, 100 kHz, 300 kHz, 1 MHz
RF Sensitivity	>-85 dBm typical
Amplitude Accuracy	± 1 dB typical

[price on request](#) [datasheet](#)



AVCOM OF VIRGINIA

PSA-2500C Portable Spectrum Analyzer

Portable spectrum analyzer covering 5 MHz–2300 MHz with Li-Ion battery, for satellite installation and testing.

Frequency Range	5 MHz–2300 MHz
Span Width	Up to 1300 MHz
Resolution Bandwidth	10 kHz, 100 kHz, 300 kHz, 1 MHz
RF Sensitivity	>-85 dBm typical
Amplitude Range	0 dBm to -85 dBm (standard); 0 to -105 dBm (preamp)

[price on request](#) [datasheet](#)



AVCOM OF VIRGINIA

PSA-4200C

A portable C-band spectrum analyzer for satellite, TV/radio broadcasting, CATV, wireless, TCSM, and GPS signal monitoring, with LNA/LNB power output and remote control software.

Applications	Satellite, TV and Radio Broadcasting, CATV, Wireless, TCSM, and GPS
L.O. Frequency Offsets	Displays Direct Frequency Readout
Presets/Memory	10 Customizable Presets/50 User Memory Locations
Refresh Rate	Up to 13/sec
LNA/LNB Power	13/18Vdc/22kHz

[price on request](#) [datasheet](#)



AVCOM OF VIRGINIA

RSA-2500B

The RSA-2500B is a 1RU rack-mount spectrum analyzer designed for remote monitoring and control in SATCOM facilities, offering flexibility with up to 6 inputs and various configurat

Up to 6 Inputs	in 1RU Enclosure
Easily Integrated	into OEM Applications
Full Remote Monitor and Control	via IP; Ethernet
GUI Software Included	License-free
FREQUENCY RANGE	5MHz – 2300MHz

[price on request](#) [datasheet](#)



AVCOM OF VIRGINIA

SA-MOD-1-9-B Embedded Spectrum Analyzer Module

Ultra-compact embedded spectrum analyzer module, 3"x3.5"x1", 8-33 VDC, -40 to +70°C, 40,000 ft altitude.

Frequency Range (Model 2290)	900–2200 MHz
Frequency Range (Model 3040)	400–3000 MHz
Frequency Range (Model 6070)	70–6000 MHz
RF Sensitivity (-40 REF LVL)	-100 dBm
Spur Free Dynamic Range (3 kHz RBW)	60 dB

[price on request](#) [datasheet](#)



AVCOM OF VIRGINIA

SBS2-2150E-RSA

The SBS2-2150E-RSA is a remote L-Band spectrum analyzer module designed for OEM integration, providing remote signal monitoring and control for satcom applications via Ethernet or

Input Frequency Range	950MHz to 2150MHz (extended L-Band)
Reference Signal Monitoring	10MHz reference signal viewing capability
Input Voltage	+15 to +24VDC
Power Consumption	7W
Communication Interfaces	Ethernet or USB (commercial connectors or header connectors)

[price on request](#) [datasheet](#)



AVCOM OF VIRGINIA

SNG-2500C

Rack-mount spectrum analyzer for monitoring and measuring satellite communications and broadcast carriers, including uplink, downlink, L-band, IF, and TT&C signals.

Design	Simple and easy to use design at a low price
Presets	10 customizable presets
Display	VGA color display
Mounting	Fits into Tektronix 1700 series dual mount tub
Refresh Rate	Up to 13/sec

[price on request](#) [datasheet](#)

Indian manufacturer of spaceborne systems, payloads, and satellite-enabled ground systems including SATCOM and hydrometeorology sensors.



AZISTA SPACE (AZISTA AEROSPACE)

X-Band Down-Converter

X-Band down-converter for satellite ground station receive chains.

Frequency band	X-Band
Type	Down-Converter (RF to IF)
Application	Satellite ground station receive chain

price on request

Huali Chuangtong (华力创通, Hwacreate) is a Chinese satellite navigation and IoT technology company listed on the Shenzhen Stock Exchange, headquartered in Beijing, developing GNSS (GPS/BeiDou) navigation modules, IoT terminals, and satellite c



BEIJING HUALI CHUANGTONG TECHNOLOGY CO., LTD.

HWA-D300 Smart Data Acquisition Unit

The HWA-D300 intelligent data acquisition unit is a versatile field monitoring device compatible with a wide range of sensors and communication modes. Technical features: – D

price on request

BEIJING HUALI CHUANGTONG TECHNOLOGY CO., LTD.

HWA-LF100 Integrated Crack and Displacement Monitoring Station

The HWA-LF100 is an integrated crack and displacement monitoring station with a one-piece design, highly integrated device and mounting, clean appearance, and IP68 waterproof struc

price on request



BEIJING HUALI CHUANGTONG TECHNOLOGY CO., LTD.
HWA-YL100 Integrated Rainfall Monitoring Station

The HWA-YL100 is a tipping-bucket rain gauge for automatic rainfall measurement. Rainwater enters through the top catchment, flows through a funnel into the tipping bucket, and whe

price on request



BEIJING HUALI CHUANGTONG TECHNOLOGY CO., LTD.
Multi-Mode Active Radar Real-Time Target Signal Simulator

The multi-mode active radar real-time target signal simulator can accept preset or externally input carrier, parameter, and target data synchronized to simulation time steps, and i

price on request



BEIJING HUALI CHUANGTONG TECHNOLOGY CO., LTD.
Radar Environment Signal Simulator

The radar environment signal simulator can generate realistic radar radiation signals in real time, as well as high-density background pulse stream signals. It is suitable for cons

price on request



BEIJING HUALI CHUANGTONG TECHNOLOGY CO., LTD.
Radar Seeker Integrated Tester

The radar seeker integrated tester generates passive radar test signals and active radar echo signals, and captures and analyzes active radar transmit signals. It comprehensively t

price on request



BEIJING HUALI CHUANGTONG TECHNOLOGY CO., LTD.
Spaceborne Radar Echo Signal Simulator

The spaceborne radar echo signal simulator can generate multi-channel distributed spaceborne radar scene and target echo signals. It supports comprehensive testing of radar functio

price on request

BridgeComm, Inc.

UNITED STATES · 2015 · 1 PRODUCT

US developer of free-space optical laser communications systems — optical ground terminals and ground stations for space-to-ground, satellite-to-air, and inter-satellite optical links at speeds up to 1 Tbps.

BRIDGECOMM, INC.
BridgeComm Optical Ground Terminal / Optical Ground Station (OGT/OGS)

BridgeComm's fixed and mobile Optical Ground Terminals (OGT) and Optical Ground Stations (OGS) provide free-space laser communications links to space and airborne lasercom terminal

Communications speed	2.5 Gbps to 1 Tbps
Modem compatibility	Modem Agnostic Systems
SSA Bench design	Hot-Swappable SSA Benches
Bandwidth advantage	More than 10-100X greater bandwidth with less interference
Probability of detection/interception	Lower probability of detection or interception

price on request

Bureau 1440

RUSSIA · 2020 · 1 PRODUCT

Russian LEO broadband satellite company founded 2020, Moscow; 1 Gbps /



BUREAU 1440 Rassvet User Terminals

Bureau 1440's ground terminals for connecting to the Rassvet LEO broadband constellation, available for fixed and mobile installations.

Installation Types	Fixed (residential/commercial), mobile (vehicle/maritime/aviation)
Target Speed	50 Mbps – 1 Gbps downlink
Constellation	Rassvet LEO at 800 km
Primary Markets	Russia domestic, 70+ countries international
Commercial Launch	Planned 2027

price on request

C-COM Satellite Systems

CANADA · 1997 · 2 PRODUCTS

C-COM Satellite Systems designs and manufactures motorized, auto-pointing mobile satellite antennas for broadband internet in remote locations, with over 11,000 units deployed globally.



C-COM SATELLITE SYSTEMS

Mobile VSAT Satellite Antenna Systems

C-COM Satellite Systems' iNetVu mobile auto-pointing VSAT antenna systems for satellite internet access from vehicles, vessels, and rapidly deployable emergency communications.

System	iNetVu auto-deploying mobile VSAT antenna family
Antenna Sizes	75 cm – 1.2 m
Bands	Ku-band (primary), C-band, Ka-band
Setup Time	1–2 minutes (auto-point)
Throughput	512 kbps – 20 Mbps

price on request

C-COM SATELLITE SYSTEMS

VSAT Satellite Beacon Receiver BR400L

The iNetVu® BR400L is a 19” rack mount beacon receiver designed to track the power density of a satellite beacon in real time, providing a DC voltage output proportional to the sig

Form Factor	19-inch rack mount
Application	VSAT satellite beacon tracking
Output	DC voltage proportional to beacon signal strength
Compatibility	All iNetVu controllers and antenna platforms

price on request

[datasheet](#)

CACI International

UNITED STATES · 1962 · 1 PRODUCT

American defense IT and intelligence services company providing satellite communication, intelligence analysis, and space-related C2 solutions.



CACI INTERNATIONAL

Space Data Analytics and Intelligence

CACI International's space data analytics, ground system solutions, and intelligence analysis software for US DoD space domain awareness and mission support.

Services	SSA analytics, ground system integration, intelligence analysis software, cyber
Customers	US Space Force, NSA, NRO, DoD space programs
Core Capability	ML-powered space domain analytics, satellite activity analysis
Revenue	>\$6 billion annually (predominantly US government)
Employees	~22,000

price on request

SatService GmbH, a Calian company, designs and integrates satellite ground stations and earth-station antennas, including GNSS/SATCOM ground segment systems.



CALIAN (SATSERVICE)

4m Satcom Antenna

4m Cassegrain earth station antenna for GEO, LEO and MEO SATCOM gateways, TT&C, and diverse satellite applications.

Reflector diameter	4 m
Antenna type	Dual reflector Cassegrain
Mount	Elevation over azimuth, 2 axis
Main reflector material	Aluminum
Main reflector surface accuracy	< 0.008" RMS

price on request



CALIAN (SATSERVICE)

7m LEO Earth Station Antenna

7m high-slew-rate earth station antenna for tracking LEO and MEO satellite constellations across C, Ka, Ku, S, and X bands.

Reflector diameter	7 m
Antenna type	Dual reflector Cassegrain
Mount	Elevation over azimuth with tilt
Main reflector material	Aluminum
Main reflector surface accuracy	< 0.008" RMS

price on request



CALIAN (SATSERVICE)

7m Satcom Antenna

7m dual-reflector Cassegrain SATCOM antenna for GEO/MEO satellite communications in C, Ka, Ku, S, and X bands.

Reflector diameter	7 m
Antenna type	Dual reflector Cassegrain
Mount	Elevation over azimuth, 2 axis
Main reflector material	Aluminum
Main reflector surface accuracy	< 0.008" RMS

price on request



CALIAN (SATSERVICE)

9.2m LEO Earth Station Antenna

9.2m high-performance earth station antenna optimized for LEO and MEO satellite tracking in Ka, Ku, X, C and S bands.

Reflector diameter	9.2 m
Antenna type	Dual reflector Cassegrain
Mount	Elevation over azimuth with tilt
Main reflector material	Aluminum
Main reflector surface accuracy	< 0.008" RMS

price on request



CALIAN (SATSERVICE)

9.2m Satcom Antenna

9.2m dual-reflector Cassegrain earth station antenna for GEO/MEO SATCOM applications across Ka, Ku, X, C and S bands.

Reflector diameter	9.2 m
Antenna type	Dual reflector Cassegrain
Mount	Elevation over azimuth, 2 axis
Main reflector material	Aluminum
Main reflector surface accuracy	< 0.008" RMS

price on request



CALIAN (SATSERVICE)

Ka/Q/V-Band Gateway Antenna

10m carbon fibre Ka/Q/V-band gateway earth station antenna for high-capacity GEO, LEO, and MEO satellite systems.

Reflector diameter	10 m
Antenna type	Dual reflector
Main reflector material	Carbon fibre composite
Sub reflector material	Carbon fibre composite
Frequency bands	Ka, Q-V

price on request

Capella Space

UNITED STATES · 2016 · 1 PRODUCT

Capella Space designs, builds, and operates advanced SAR satellites and intelligence systems, providing all-weather, high-resolution Earth observation data and solutions for defense, maritime, disaster



CAPELLA SPACE

Capella Data Platform

Capella's cloud-native SAR data platform providing tasking API, on-demand collections, and analytics for defense and commercial users worldwide.

Access Method	RESTful API + browser console (Capella Console)
Tasking Turnaround	1-6 hours standard, <1 hour Rush tasking
Imaging Modes	Spotlight, Strip, Slide, Wide Area Search
Delivery	Cloud delivery (AWS S3, JWICS/Secret for US gov)
Analytics	Change detection, dark vessel tracking, construction monitoring

price on request

Australian-owned ground segment service provider offering satellite ground station infrastructure in remote Western Australia.



CAPRICORN SPACE

Ground Station Hosting and Teleport Services

Ground segment hosting services from a 35-hectare Western Australia teleport site — Retail, Hybrid, and Landlord tiers with 10Gbps fiber upgradeable to 100Gbps.

Site size

35 hectares (86 acres)

Location

~300-350 km from Perth,
Western Australia

Fiber connectivity

10 Gbps, upgradeable to 100
Gbps

Operational since

October 2019 (first antennas)

Service tiers

Retail, Hybrid, Landlord

price on request

Cascade Space

Cascade Space builds and operates communication systems and infrastructure for deep space commercial missions, utilizing array technology.

CASCADE SPACE

The Array — Commercial Dish Array Network

First commercial dish array built for modern space missions — digital beamforming combines multiple smaller dishes into a single dynamically-sized aperture.

MINI configuration

S-band G/T 25.6 dB/K, EIRP
66.9 dBW; X-band G/T 35.4
dB/K, EIRP 76.9 dBW

LUNAR configuration

S-band G/T 28.6 dB/K, EIRP
72.9 dBW; X-band G/T 38.4
dB/K, EIRP 82.9 dBW

DEEP configuration

S-band G/T 37.7 dB/K, EIRP 91
dBW; X-band G/T 47.5 dB/K,
EIRP 101 dBW

DEEP+ configuration

S-band G/T 42.6 dB/K, EIRP
101 dBW; X-band G/T 52.4
dB/K, EIRP 111 dBW

Scaling roadmap

1 dish to 200 dishes across
multiple global locations

price on request

CELESTIA Satellite Test & Simulation

Celestia Satellite Test & Simulation provides ground-based solutions for satellite simulation, testing, communication, and data processing, including EGSE, TT&C, and Optical Modems.



CELESTIA SATELLITE TEST & SIMULATION
Instrument SCOE

Turn-key system providing electrical and protocol interfaces to satellite instruments during development and AIT — power, control/monitor, and science interfaces.

Form factor	Integrated 19" rack or tabletop enclosure
Isolation	Galvanic isolation, FMEA compliant

price on request



CELESTIA SATELLITE TEST & SIMULATION
LVDS Front-End

LVDS Data/Clock interface unit for satellite flight equipment across all AIT levels — up to 4 parallel channels, up to 2Gbps at 16-bit.

Channels	Up to 4 parallel inputs/outputs (8-bit)
Data rate	Up to 1Gbps per channel (8- bit), teaming to 16-bit at 2Gbps
Clocking	>125MHz
Compliance	TIA/EIA-644-A
Data streaming	10Gbit LAN

price on request



CELESTIA SATELLITE TEST & SIMULATION
MIL-1553 Front-End

EGSE unit controlling, monitoring, and simulating flight equipment on the satellite onboard data handling bus — MIL-STD-1553B BC/RT/BM functions, ECSS compliant.

Form factor	19" 2U hardware platform
Functions	MIL-STD-1553B Bus Controller/RT/Bus Monitor
Minor frame interval	Configurable (e.g. 125/50/12.5ms)
Compliance	ECSS-E-ST-50-13C

price on request



CELESTIA SATELLITE TEST & SIMULATION
Multi-Purpose Interface Platform (MPIP)

Modular, scalable EGSE testing spacecraft electrical/data interfaces — supports up to 16 modules, >400 channels, ESA/ECSS compliant.

Chassis	3U 19" rack mountable or tabletop (4U/2U variants available)
Interface modules	Up to 16
Channels	>400 fully equipped
Data interfaces	Discrete/TM/TC/Power/Digital Data (up to 800Mbps)
Ethernet ports	2x Gigabit

price on request



CELESTIA SATELLITE TEST & SIMULATION RF SCOE

Radio Frequency Special Check-Out Equipment validating satellite RF subsystems — flight heritage on ESA missions including Sentinel-2, EarthCare, SeoSat.

Form factor	19" rack
Flight heritage	Sentinel-2, EarthCare, SeoSat, Apogee AS250, VHR

price on request



CELESTIA SATELLITE TEST & SIMULATION RF Suitcase

Transportable system for ground station and satellite RF compatibility testing — built using Engineering Models of transponder, TWTAs, diplexer, and filters.

Form factor	Transportable system
Components	Engineering Models of transponder, TWTAs, diplexer, filters

price on request



CELESTIA SATELLITE TEST & SIMULATION Spacecraft Interface Simulator (SIS)

Testing equipment allowing an instrument or spacecraft unit to be developed and tested prior to overall spacecraft integration — flight heritage on SOHO, CLUSTER, ROSETTA.

Flight heritage	SOHO, CLUSTER, ROSETTA
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price on request



CELESTIA SATELLITE TEST & SIMULATION TM/TC Front-End

Telemetry and telecommand unit for direct spacecraft control during AIT and launch phases — 60x RS422/LVDS pairs, galvanically isolated.

Form factor	19" 3U hardware platform
Baseband interfaces	60x RS422/LVDS pairs
Isolation	Galvanically isolated, FMEA compliant

price on request



CELESTIA SATELLITE TEST & SIMULATION
TT&C Modem (Ground Station)

Integrated modem and baseband unit providing Telemetry, Tracking, and Command services for operational ground stations — frequency-sweeping uplink acquisition.

IF inputs/outputs	2 (typically 70MHz)
Carrier schemes	Suppressed/remnant carrier
Ranging standards	ESA Ranging standards

price on request



CELESTIA SATELLITE TEST & SIMULATION
TT&C Processor (TTCP)

Advanced Telemetry Tracking and Command Processor for deep space communications — delta-DOR tracking, deployed at all ESA Deep Space Network ground stations.

IF inputs	2 to 5 (56MHz-1.85GHz)
IF outputs	2 (typically 230MHz)
Signal Processing Unit	19" 9U
Switch Matrix Unit	19" 2U
Data Processing Unit	19" 3U

price on request



CELESTIA SATELLITE TEST & SIMULATION
TTC Modem for AIT (TTC-IMBU)

Integrated modem and baseband unit for direct spacecraft control/monitoring in EGSE environments — FPGA-based real-time modulation/demodulation, Doppler/ranging processing.

IF inputs/outputs	2 (typically 70MHz)
Data rates	7.8125bps-10Mbps
Suppressed carrier modes	BPSK/QPSK/OQPSK/GMSK
Remnant carrier modes	SPL/PM, BPSK/PM
Ranging standards	ESA Standard/Tone/PN Ranging (T2B, T4B)

price on request



CELESTIA SATELLITE TEST & SIMULATION
WizardLink Front-End

High-speed serial interface unit for spacecraft flight equipment validation — up to 4 parallel channels at 2Gbps each, 10Gbit LAN data streaming.

Channels	Up to 4 WizardLink channels in parallel
Data rate	Up to 2Gbps per channel
Chipset	TI TLK2711-SP/TLK2711A
Clock	Programmable 80-125MHz
Data streaming	10Gbit LAN (SFP+)

price on request

China Starwin manufactures Satcom VSAT terminals, including flat panel terminals, On-The-Move antennas, and ESA terminals, for various applications under GEO, MEO, and LEO constellations.



CHINA STARWIN
2.4M C&Ku Band Auto Flyaway Antenna (Carbon Fiber Material)

A 2.4m auto-deploying flyaway VSAT antenna terminal built from carbon fiber material, supporting combined C and Ku band satellite communications links.

FocusLEO constellation satellite manufacturing

CountryChina

price on request

Cingulan Space provides space communications services, including TT&C, payload download, and ground station hosting, for various spacecraft and orbits from Australian locations.



CINGULAN SPACE
Satellite Ground Segment Services

Cingulan Space provides comprehensive ground segment services for satellites and launch vehicles, including Telemetry, Tracking, and Command (TT&C), payload data download, ante

ServicesMission engineering, satellite operations support

CountryAustralia

price on request

Climats is a French manufacturer of high-precision environmental and climatic test chambers, including customized thermal-vacuum chambers for space qualification testing.



CLIMATS

Climats EXCAL3 1000 Environmental Test Chamber

A universal environmental test chamber with 1000 liters internal volume, offering temperature ranges down to -85°C and various cooling/heating rates.

Internal dimensions (W x D x H)	1000mm x 1000mm x 1000mm
External dimensions (W x D x H)	1285mm x 2325mm x 2165mm
Internal volume	1000 LITERS
Minimum temperature	-50°C (EXCAL 10052-T/H, EXCAL 10053-T/H), -70°C (EXCAL 10023-T/H), -75°C (EXCAL 10024-T/H,
Rate of cooling (IEC 60068-3-5)	4 K/min (EXCAL 10052-T/H), 13.5 K/min (EXCAL 10053-T/H), 2 K/min (EXCAL 10023-T/H), 4.5 K/

price on request



CLIMATS

Climats EXCAL3 140 Environmental Test Chamber

A compact environmental test chamber with 151 liters internal volume, offering temperature ranges down to -80°C and various cooling/heating rates.

Internal dimensions (W x D x H)	540mm x 400mm x 700mm
External dimensions (W x D x H)	783mm x 1634mm x 1842mm
Internal volume	151 LITERS
Minimum temperature	-50°C (EXCAL 1451-T/H, EXCAL 1452-T/H), -70°C (EXCAL 1421-T/H), -80°C (EXCAL 1423-T/H*)
Rate of cooling (IEC 60068-3-5)	7 K/min (EXCAL 1451-T/H), 11 K/min (EXCAL 1452-T/H), 5 K/min (EXCAL 1421-T/H), 12 K/min (E

price on request



CLIMATS

Climats EXCAL3 220 Environmental Test Chamber

A compact environmental test chamber with 227 liters internal volume, offering temperature ranges down to -80°C and various cooling/heating rates.

Internal dimensions (W x D x H)	540mm x 600mm x 700mm
External dimensions (W x D x H)	783mm x 1912mm x 1842mm
Internal volume	227 LITERS
Minimum temperature	-50°C (EXCAL 2251-T/H, EXCAL 2252-T/H), -70°C (EXCAL 2221-T/H), -80°C (EXCAL 2223-T/H, EXC
Rate of cooling (IEC 60068-3-5)	4.2 K/min (EXCAL 2251-T/H), 10 K/min (EXCAL 2252-T/H), 5 K/min (EXCAL 2221-T/H), 10 K/min

price on request



CLIMATS

Climats EXCAL3 770 Environmental Test Chamber

A high-performance environmental test chamber with 769 liters internal volume, offering temperature ranges down to -90°C and various cooling/heating rates.

Internal dimensions (W x D x H)	900mm x 950mm x 900mm
External dimensions (W x D x H)	1181mm x 2279mm x 2064mm
Internal volume	769 LITERS
Minimum temperature	-50°C (EXCAL 7752-T/H, EXCAL 7753-T/H), -70°C (EXCAL 7723-T/H), -75°C (EXCAL 7724-T/H), -8
Rate of cooling (IEC 60068-3-5)	5 K/min (EXCAL 7752-T/H), 15 K/min (EXCAL 7753-T/H), 4 K/min (EXCAL 7723-T/H), 7 K/min (EX

price on request



CLIMATS

Environmental Stress Screening Chamber Type E1 (<3m³)

ESS thermal chamber, -80°C to +200°C, up to 20°C/min ramp for on-board electronics reliability testing.

Temperature Range	-80°C to +200°C (+250°C on request)
Volume	Less than 3m³ (E1 Type)
Absorbed Dissipative Power	Over 30kW
Ventilation	Greater than 2m/s
Noise Level	<70 dBA (Energy Saving mode)

price on request [datasheet](#)



CLIMATS

Environmental Test Chamber for Battery Testing

Thermal test chamber for battery safety testing, -90°C to +220°C, with fire/explosion/outgassing protection.

Temperature Range	-90°C to +220°C
Volume	Few m³ to several m³
Display	15" touchscreen
Energy Savings	≥40% (Energy Saving mode)
Safety Features	Nitrogen inerting, O2 analyzer, explosive gas detector, pressure relief, smoke/gas/flame d

price on request [datasheet](#)



CLIMATS

Environmental Test Chamber for Photovoltaic (PV) Panel Testing

Environmental test chamber built to standard test protocols for photovoltaic module durability and power qualification.

Application	Photovoltaic (PV) module environmental and power qualification testing
Handling system	Adaptive cart system for module loading/storage
Power supply integration	Continuity and power-output testing via Spirale Vision control
Control system	Spirale Vision, 15-inch touchscreen

[price on request](#) [datasheet](#)



CLIMATS

Excal GT-FC Air Generator

Localized thermal conditioning air generator, -70°C to +200°C, up to 32 Nm³/h, for electronic component testing.

Temperature Range	-70°C to +200°C
Air Flow	up to 32 Nm³/h
Temperature Stability	±0.1°C
Average Temperature Variation	>120°C/min
Flexible Hose Length	2200 mm (±100)

[price on request](#) [datasheet](#)



CLIMATS

EXCAL³

EXCAL³ is a modular climatic test chamber range covering temperatures from -90°C to +180°C with rapid ramp rates up to 25°C/min, used for environmental qualification testing from I

Available volumes	150 L / 225 L / 400 L / 540 L / 770 L / 1,000 L / 1,400 L / 1,900 L
Minimum accessible temperature	Up to -50°C with fluid R-744 (CO₂); Up to -65°C / -90°C with fluids R-449A / R-469
Maximum accessible temperature	+180°C (+250°C optional)
Temperature variation speed	Between 2°C/min and 25°C/min
Relative humidity range	5 to 98%RH at +10°C to +95°C

[price on request](#) [datasheet](#)



CLIMATS

Extreme 320

Extreme 320 is a climatic test chamber from Climats equipped with the Spirale touchscreen control system, offering multiple user levels and specialized cycle modes for extreme-temp

Temperature Range	+180°C to -90°C (+200°C to -100°C optional)
Temperature Homogeneity	±0.5°C to ±1.5°C; ±0.3°C stability
Chamber Volume	320 dm³
Useful Dimensions (WxDxH)	750 × 500 × 850 mm
Footprint	Less than 2.5 m²

[price on request](#) [datasheet](#)



CLIMATS

High-Temperature Thermal Chamber ESS +265°C

Extreme high-temp ESS chamber, -80°C to +265°C, for electronic board qualification in extreme environments.

Temperature Range	-80°C to +265°C
Speed Variation	10°C/min linear from +200°C to -40°C, with 10 kg of PCBs

[price on request](#) [datasheet](#)



CLIMATS

Hydrocarbon Safety Chamber (MIL-DO-160)

Secure hot-cold chamber for kerosene-filled aviation fuel tank testing, -70°C to +180°C, per MIL-DO-160.

Temperature Range	-70°C to +180°C
Speed Variation	10°C/min average from +70°C to -55°C (30kg load, 1kW dissipation)

Standard	MIL-DO 160 military and civil aeronautical standard
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Useful Dimensions (WxDxH)	1000 × 1000 × 1000 mm
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[price on request](#)



CLIMATS

LABCAL

LABCAL is a benchtop temperature and humidity test chamber for rapid climatic cycling to detect defects or determine product shelf life.

Available Volumes	20 L, 30 L, 60 L, 100 L
Temperature Range	-70°C to +180°C
Relative Humidity Range	10 to 95% RH (for temperatures +10 to +95°C)
Temperature Homogeneity	±0.5 to ±2°C at +180°C

[price on request](#) [datasheet](#)



CLIMATS

Modular Chamber (CM) Volume over 3m³

The Modular Chamber (CM) is a custom-built environmental test chamber with volumes ranging from 8 to 100 m³, capable of temperatures from -70°C to +80°C. It features a modular pane

Volumes	from 8 to 100 m³
Temperatures	from -70°C to +80°C
Working temperatures (max)	+80°C

[price on request](#) [datasheet](#)



CLIMATS

Modular Chamber for Burn-In (RELY STATION)

Modular burn-in/ESS chamber for electronic control racks, 0°C to +70°C, combines burn-in with environmental testing.

Temperature Range	0°C to +70°C
Speed Variation	3°C/min average (300 kg cabinets, 6 kW dissipation)
Useful Dimensions (WxDxH)	3000 × 7000 × 2750 mm

[price on request](#) [datasheet](#)



CLIMATS

SCAL CTH2

SCAL CTH2 is a climatic test chamber equipped with the Spirale touchscreen control system for programmable temperature/humidity cycling and shock/VRT reproducibility testing.

Touchscreen	Extra-large 15" touchscreen
Levels of use	Production, Standard, Laboratory
Tracking alarm	Shock or VRT mode to ensure reproducibility of tests
Pre-treatment/post-treatment	Programmable on Spirale Vision, to temperature condition or dry samples at the beginning a
Automatic defrost	Spirale Vision optimizes the cycle so defrosting is carried out correctly without disturbi

[price on request](#)



CLIMATS

SCAL CTH3/CTY Thermal Shock Chamber (3 environments)

3-zone thermal shock chamber (hot/cold/ambient transition), 70-1500L, -90°C to +180°C, MIL-STD compliant.

Temperature Range	-90°C to +180°C (+220°C optional)
Test Volume (CTH3 Horizontal)	70-1500 liters
Test Volume (CTY Vertical)	up to 120 liters
SCAL 1000CTH3-22 Carrier Volume	1000 L
Standards Compliance	DIN-IEC-60068-2-14, JESD22-A104D, MIL-STD-202G/750E/810G/883H

[price on request](#)



CLIMATS

SCAL CTK

A thermal shock/climatic test chamber (SCAL CTK) equipped with the Spirale control system, offering multi-level operation and advanced test cycle management for reproducible enviro

SCAL 230CTK7.5 Temperature Range	-80/+180°C
SCAL 300CTK7.5 Temperature Range	-85/+180°C
SCAL 500CTK15 Temperature Range	-90/+180°C
Hot Cabinet Range (all models)	+60/+180°C
Standards Compliance	DIN, IEC 60068-2-14, JESD22-A104D, MIL-STD-202G, MIL-STD-750E, MIL-STD-810G, MIL-STD-883H

[price on request](#)



CLIMATS SCAL-CTR

SCAL-CTR is a vertical thermal shock test chamber controlled via the Spirale touchscreen interface, used to subject samples to rapid temperature cycling for qualification and relia

Display	Extra-large 15" touchscreen
Usage levels	Production, Standard, Laboratory
Tracking alarm	CHoc or VRT mode, for reproducibility of tests
Pre-treatment/post-treatment	Programmable on Spirale Vision, to temperature condition or dry samples at start/end of cy
Automatic defrost function	Spirale Vision optimizes the cycle so defrosting does not disturb sample temperature

price on request



CLIMATS TVC Thermal Vacuum Chamber / Space Simulator

Customized thermal-vacuum chamber for space qualification testing, achieving vacuum down to ~10-7 mbar and -185 to +165 deg C.

Vacuum Level	Down to ~10-7 mbar
Temperature Range	-185 to +165 deg C
Cooling Method	Liquid nitrogen circulation
Options	Infrared radiation simulation, spatial temperature-gradient simulation
Application	Satellite component and payload qualification testing

price on request



CLIMATS Volume over 3m³ Rigid Structure Type G

The CLIMATS Type G environmental test chamber offers large test volumes (3 m³ to 100 m³) and a wide temperature range (-70°C to +150°C) for testing large samples.

Volumes	from 3 m3 to 100 m³
Temperature	from -70°C to +150°C
CLIMATS metallic structure enabling to function	up to +150°C (max)

price on request [datasheet](#)



CLIMATS WINCAL

WINCAL is a rigid-structure walk-in environmental test chamber offering large standard test volumes with wide temperature and humidity ranges for testing voluminous items.

Chamber type	Walk-in chamber, rigid structure
Standard test volumes	2 m3, 4 m3, 8 m3, 12 m3, 16 m3 and up to 70 m3
Temperature range	-70°C to +150°C
Extended temperature range (optional)	-80°C to +200°C
Relative humidity	+10% to +98%

price on request [datasheet](#)

CM Technology (CMT)

UNITED STATES · 2 PRODUCTS

CM Technology Inc (CMT) provides turnkey satellite teleport ground communication solutions, including LEO tracking systems, antenna installation, maintenance, and access to a global network of over 40



CM TECHNOLOGY (CMT)

Tracker 6000 X/C Band Tracking Antenna

X/C-band LEO satellite tracking antenna system deployed across CMT's global teleport network.

Frequency	X-band / C-band
Application	LEO satellite tracking, teleport gateway operations
Network	40+ CMT teleport locations worldwide
Support	SeaTel factory-certified tracking antenna technicians on site

[price on request](#)



CM TECHNOLOGY (CMT)

Turnkey Satellite Teleport Ground Communications

CM Technology Inc (CMT) offers turnkey satellite teleport ground communications solutions, providing access to a global network of over 40 teleport locations for high-performance.

Frequency	3.5GHz Tx/Rx
BUC	4 per polarization
Amplifier	Up to dual 500W Ka TWTA
Azimuth	Unlimited
IFLs	16 (fiber based)

[price on request](#)

[datasheet](#)

Comsat Systems

INDIA · 1982 · 2 PRODUCTS

Comsat Systems designs and manufactures advanced satellite communication antenna systems and associated subsystems for teleport, VSAT, mobility, and defense applications.



COMSAT SYSTEMS

Comsat Systems Satellite Communication Antenna Systems

Comsat Systems manufactures a range of high-performance satellite communication antenna systems and associated subsystems for C, Extended C, Ku, and Ka bands, serving various appli

Antenna Diameter Range	1.0 m to 13.5 m
Frequency Bands Supported	C, Extended C, Ku, Ka bands
Configurations Supported	Prime focus, Offset
Antenna Types	Fixed, Static, Non-penetrating, Transportable, Mobile (including Mobile VSATs for SNG and
In-house Testing Capability	Up to 40 GHz

[price on request](#)



COMSAT SYSTEMS

VSAT and Satellite Network Solutions

COMSAT Systems' VSAT and satellite communications network solutions for enterprise, maritime, and government broadband connectivity via GEO and LEO satellite networks.

Technology	VSAT (Ku, Ka, C-band); GEO + LEO hybrid capable
Terminal Sizes	60 cm – 2.4 m (fixed), maritime auto-tracking variants
Services	Broadband, MPLS VPN, voice, unified comms over satellite
Markets	Enterprise, maritime, oil/gas, military, rural broadband
Delivery	Equipment supply + managed service options

[price on request](#)

CONOPS (UNIVITY) provides space infrastructure for telecom operators, developing a constellation for high-speed, low-latency, and affordable broadband and Direct-to-Device connectivity.



CONSTELLATION TECHNOLOGIES & OPERATIONS (CONOPS)
Constellation Operations and Ground Segment Software

Constellation Technologies and Operations' (CONOPS) software platform for managing multi-satellite constellation operations — scheduling, orbit management, and coordinated tasking.

Software	Constellation operations platform: orbit management, scheduling, fleet health
Coordination	Multi-satellite coordinated tasking and imaging scheduling
Orbit Management	Spacing maintenance, collision avoidance maneuver planning for fleets
Health Monitoring	Fleet-wide telemetry aggregation, anomaly detection, predictive failure
Target	E0, IoT, and broadband constellation operators (10s–1000s of satellites)

price on request

CONTEC

SOUTH KOREA · 1 PRODUCT

CONTEC provides an all-in-one solution for satellite data reception, processing, and analysis, supporting space missions through its global ground station network.

CONTEC
CONTEC Ground Station Automation Software

South Korean company providing ground station automation software and satellite operations solutions for small satellite constellations.

Product	Ground station automation software
Applications	Satellite constellation operations

price on request

Cosmoleap

CHINA · 1999 · 1 PRODUCT

Dahang Transition develops and operates medium and large reusable launch vehicles and their on-board computers, supporting satellite Internet

engineering.



COSMOLEAP

Recovery tower

The Recovery tower is designed for the Leap rocket to eliminate landing legs, reduce weight, and improve carrying capacity by enabling a tower recovery scheme.

price on request

Cosmoworks

SOUTH KOREA · 1 PRODUCT

Cosmoworks is a South Korean company manufacturing satellite platforms, building 3U-class CubeSats with Earth observation telescope payloads for imaging missions.



COSMOWORKS

CubeSat Mission Operations Software

Cosmoworks' cloud-based CubeSat and nanosatellite mission operations software platform — providing TT&C, telemetry processing, scheduling, and constellation management tools.

Platform Type	Cloud-based SaaS mission operations software
Functions	TT&C, telemetry processing, pass scheduling, anomaly detection, constellation ops
Ground Station Integration	AWS Ground Station, Leaf Space, Infostellar and others
Target Users	CubeSat and smallsat operators (commercial, university)
Model	Software-as-a-service (SaaS) – no bespoke development required

price on request

Brazilian technology company based in the aerospace hub of Sao Jose dos Campos, SP, developing systems and technology products for defense, aerospace, and technology sectors.

CRON SISTEMAS E TECNOLOGIAS

Brazilian Satellite Systems Integration

CRON Sistemas e Tecnologias' satellite subsystem integration and ground support equipment for Brazilian space programs — supporting INPE and the emerging Brazilian commercial space

Services

Satellite AIT support, EGSE, mechanical GSE, thermal-vacuum testing

Customers

INPE, Brazilian space program industrial base

Related Programs

CBERS (Brazil-China Earth observation satellites), Alcântara launch site support

Country

Brazil

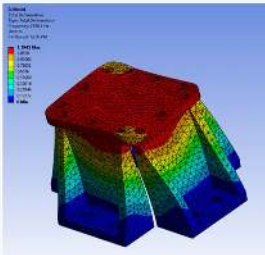
Organization

Private engineering company supporting Brazilian national space program

price on request

CubeSat Aerospace

Indian CubeSat developer offering flight-ready 1U–6U satellite structures, subsystem components, environmental testing services, launch integration, and STEM education programs from Ahmedabad.



CUBESAT AEROSPACE

1U CubeSat Vibration Shaker Test Jig

The 1U CubeSat Vibration Shaker Test Jig is a precision mounting fixture designed for securing 1U CubeSats during sine, random, and shock vibration tests to qualify them for launch

Supported CubeSat Size

1U (100 mm × 100 mm × 113.5 mm)

Material

CNC-machined Aluminum and Steel (vibration-resistant)

Mounting System

Clamping or bolted rail interface with anti-slip surface

Mounting System

Multiple base slots for vibration table compatibility

Interface Type

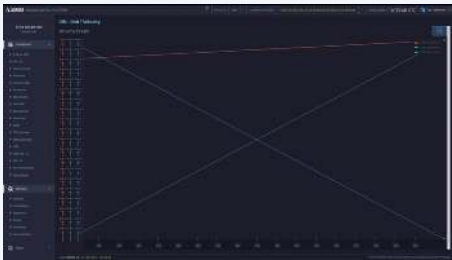
Compatible with slip table and vertical shaker configurations

price on request

D-Orbit

ITALY · 2011 · 1 PRODUCT

In-space transportation & logistics — ION Satellite Carrier (OTV); last-mile delivery, hosted payloads.



D-ORBIT	
Aurora — Cloud Mission Control Software	
Aurora is D-Orbit's cloud-based Mission Control Software (MCS). A single web interface drives operations for individual satellites or full constellations: telemetry processing	
Type	Cloud-based Mission Control Software
Visualization	2D / 3D orbit + TLE propagation
Protocols	CSP (CubeSat Space Protocol)
Security	AES-256 + 2FA
Ground network	Leaf Space, AWS Ground Station

price on request

Data Patterns (India) Ltd.

INDIA · 1998 · 7 PRODUCTS

Vertically integrated Indian defence and aerospace electronics company designing and manufacturing avionics, microelectronics, RF/microwave, radar, test equipment and space systems.



DATA PATTERNS (INDIA) LTD.	
ATE for Space Systems	
Automated Test Equipment product line built for validating spacecraft, launch vehicle and missile subsystems.	
price on request	



DATA PATTERNS (INDIA) LTD.	
Automated Test Equipment (ATE) for Aerospace and Space Applications	
Data Patterns develops Automated Test Equipment (ATE) for critical aerospace and space requirements, including test benches for launch vehicles, power module checkout for space pro	
Initial Product	DP-800 Multi Programmer (1994)
Test System Architectures	cPCI, VME, VXI
BMU Test System I/O	> 3000 I/O's

Second Launch Pad Count Down System I/O Upto 14000 I/O

Strain Data Acquisition System 24 bit Sigma Delta ADC

price on request datasheet



DATA PATTERNS (INDIA) LTD.

C & S-Band Tracking Radar for ISRO

A tracking radar system developed by Data Patterns for the Indian Space Research Organisation (ISRO), operating in C and S-bands.

Product Name R12

Description C & S-Band Tracking Radar for ISRO

price on request datasheet



DATA PATTERNS (INDIA) LTD.

Console

Data Patterns designs and manufactures system-level consoles for various applications, including naval, land-based missile launch, satellite ground stations, and radar operations.

price on request



DATA PATTERNS (INDIA) LTD.

Ground Station

The Ground Station is an open-frame architecture designed to support space segment operations and relay mission data to users, featuring independent uplink and downlink communication.

Product Type Ground Station System

price on request



Second Launch Pad Count Down Checkout System

DATA PATTERNS (INDIA) LTD.

Launch Pad Count Down Test System (SDSC-SHAR)

VXI-based redundant launch pad countdown automation system handling up to 14,000 I/O points, in operation since 2001.

price on request



DATA PATTERNS (INDIA) LTD.

VXI Modules

Data Patterns offers a range of VXI modules designed for Automatic Test Equipment (ATE) with high I/O density, utilizing the VME eXtensions for Instrumentation open standard.

Product Name	DP-VXI-1101
Description	64 Channel 100 KHz 16 Bit ADC Module
Product Name	DP-VXI-3099
Description	256 Channel Digital Input / Interrupt Output Module
Product Name	DP-VXI-3117

[price on request](#) [datasheet](#)

DecenSpace

UNITED STATES · 2025 · 1 PRODUCT

Ground station marketplace for satellite operators, providing a unified API to a global network of independently operated antennas for TT&C, payload downlink, and mission operations.



DECENSPACE

Decentralized Satellite Data Marketplace

DecenSpace's decentralized space data marketplace — using blockchain infrastructure to enable peer-to-peer trading of satellite imagery, telemetry, and space sensor data.

Technology	Blockchain marketplace, smart contracts, tokenized space data assets
Assets Traded	Satellite imagery, ground station capacity, spectrum access, sensor data
Benefits	Disintermediation, automated royalties, provenance verification, ESG attestation
Market	NewSpace data economy — fragmented supply-side needs efficient distribution
Model	Web3 / decentralized peer-to-peer marketplace

price on request

Deimos Space (Indra)

SPAIN · 2001 · 2 PRODUCTS

Spanish space engineering group (founded as Deimos Space, part of Elecnor 2001-2024) now operating as Indra Space, delivering end-to-end satellite platforms, avionics, ground segment, GNSS and space-surveillance solutions.



DEIMOS SPACE (INDRA)

gs4EO Ground Segment Suite

Modular multi-mission ground segment software suite for TT&C, mission control and EO data processing.

Missions supported	30+ Earth observation missions (incl. ESA Earth Explorers, Copernicus)
Downlink band	X-band (image data)
TT&C band	S-band (telemetry/telecommand)
Flagship antenna	10.2 m S/X-band antenna, Puertollano Antenna Park, Ciudad Real, Spain
Modules	ODP, end-to-end simulators, PDGS, FOS, EO data applications

price on request



DEIMOS SPACE (INDRA)

S3T Surveillance Radar & Optical Fence (Space Surveillance & Tracking)

Combined radar and global optical-telescope network for space surveillance, tracking and collision avoidance.

Radar antenna	13.2 m Cassegrain, C-band (4-8 GHz), Moron Air Base, Spain
Optical network sites	Spain (incl. Canary Islands), Portugal (Madeira, Azores), Chile; Australia planned 2026
Tracking accuracy	Better than 1 arcsecond
Processing/delivery time	< 15 minutes
Detection threshold	10 cm object at 1,400 km

price on request

Digantara

INDIA · 2018 · 1 PRODUCT

Indian space situational awareness startup building SCOT sensor-equipped spacecraft to monitor orbital debris and active satellites for collision avoidance.

DIGANTARA

Space Object Tracking and SSA Services

Digantara's commercial Space Situational Awareness (SSA) platform — in-space radar sensor combined with ground-based data fusion for real-time orbital intelligence on debris and ac

Approach	In-space radar sensor + ground-based data fusion (hybrid SSA)
Product	SCOT in-orbit sensor + SWOT ground platform
SWOT Data	Real-time orbital catalog, conjunction screening, space traffic management
Customers	Satellite operators, launch providers, insurance, space agencies
Founded	2018, Bengaluru, India

price on request

Element Defense

UNITED STATES · 1961 · 8 PRODUCTS

Advanced testing and engineering services provider for U.S. space, defense, and government programs.

ELEMENT DEFENSE

Advanced Materials Testing for Space

Element Defense's materials qualification testing services for aerospace and space — structural testing, NDT, and materials characterization for satellite and launch vehicle hardware

Tests	Tensile, fatigue, fracture mechanics, cryogenic, thermal cycling, radiation
NDT Methods	Ultrasonic, X-ray, CT scanning for internal defect detection
Space Hardware	Satellite structures, composite panels, weld specimens, pressure vessels
Standards	NASA-STD-5001, MIL-HDBK-17, ESA structural qualification
Locations	US, UK, Europe (multiple laboratories)

price on request



ELEMENT DEFENSE

Dynamics Testing Services

Element U.S. Space & Defense offers a comprehensive suite of dynamics testing services, including acceleration, acoustic noise, bird impact, vibration, corrosion, thermal shock

Acceleration Test Centrifuge Diameter	1ft (0.3m) to 62 ft (16m)
Acceleration Test Weight Capacity	a few grams to 7,000 lbs (3,175kg)
Acoustic Noise Test Reverb Chamber Volume	5,000 cubic foot
Acoustic Noise Test Clean Room Size	1,400 square foot High Bay Class 100k
Bird Impact Test Bird Weight Range	2.2 to 8-pound

price on request

ELEMENT DEFENSE

EMI/EMC Testing Services

Element Defense provides comprehensive EMI/EMC testing and engineering services, including radiated susceptibility, magnetic susceptibility, HIRF, lightning effects, and electrostatic discharge

Radiated Susceptibility	up to 200V/m, 10kHz to 40GHz
Magnetic Susceptibility	dc to 100 kHz
HIRF Testing	400 MHz to 18 GHz
Indirect Lightning	to 10 kV/10 kA
Lightning Waveforms	per SAE ARP 5416, DO-160, Airbus and Boeing specifications

price on request



element
U.S. Space & Defense

ELEMENT DEFENSE

Environmental Simulation Testing

Environmental simulation testing by Element U.S. Space & Defense focuses on preparing products for their anticipated operational environments by subjecting them to simulated conditions

price on request



ELEMENT DEFENSE

Hydraulics Testing Services

Element U.S. Space & Defense offers comprehensive hydraulics testing services for fluid power systems and components, ensuring reliability and longevity under simulated field c

price on request



ELEMENT DEFENSE

Mechanical Shock Testing

Element U.S. Space & Defense offers mechanical shock testing services, including thermal shock and vibration testing, to assess device response to extreme acceleration, deceler

price on request

ELEMENT DEFENSE

Munitions Testing

Element U.S. Space & Defense's Camden, Arkansas facility is an ITAR-registered, highly responsive advanced ordnance test and evaluation facility. It supports munitions te

price on request



ELEMENT DEFENSE

Pneumatic Testing Services

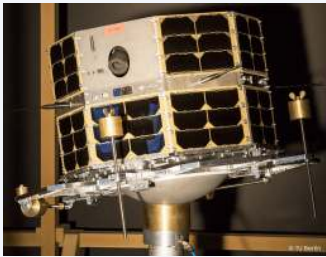
Element U.S. Space & Defense offers robust pneumatic testing services at its Santa Clarita, CA facility, designed for air flow, pressure, and temperature management subsystems

price on request

ElmSpace

GERMANY · 3 PRODUCTS

Developer of fluid-dynamic attitude control systems, gyroscopes, and air bearings for the space industry.



ELMSPACE

Customized Air Bearing System

Custom-designed air bearing platforms for satellite ADCS hardware ground testing and validation.

Type	Customized air bearing for ADCS ground testing
Simulation	Frictionless torque-free environment for 3-axis testing
Flight heritage	Used in TU Berlin Technosat ADCS testing campaign
Customization	Platform size, load capacity, interface – per customer



ELMSPACE

Customized Air Bearing Test System

Customized air bearing platforms for ground-based attitude control system testing and ADCS validation in frictionless conditions.

Type	Air-bearing frictionless ADCS test platform
Application	Ground testing of spacecraft attitude control systems
Configuration	Customizable to mission requirements
Heritage	Used by TU Berlin for TechnoSat ADCS testing

requirements

price on request

datasheet

Manufacturer

ElmSpace (Germany)

price on request



ELMSPACE
Customized Air Bearings

Customized air bearing systems for satellite ADCS testing — used in ground-test rigs such as TU Berlin's TechnoSat air bearing table.

Application	Ground-based ADCS testing (frictionless air bearing tables)
Example deployment	TechnoSat air bearing, TU Berlin

price on request

Emergent Space Technologies

UNITED STATES · 2001 · 1 PRODUCT

Astrodynamics, GN&C, and flight/ground software engineering firm for civil, military, and commercial space missions; acquired by York Space Systems in 2023.



EMERGENT SPACE TECHNOLOGIES
Spacecraft Navigation and Trajectory Software

Emergent Space Technologies' MONTE-derived spacecraft navigation and trajectory analysis software — providing precision orbit determination and mission design tools for NASA and co

Core Capability	Precision orbit determination, trajectory analysis, maneuver planning
Methods	State estimation (Kalman filters, least-squares), high-fidelity propagation
Software	MONTE-derived tools, independent precision navigation frameworks
Customers	NASA Goddard, JPL, commercial operators, launch companies
Programs	DARPA Blackjack (navigation contractor)

price on request

Emposat Co., Ltd.

CHINA · 2016 · 4 PRODUCTS

China's leading commercial satellite TT&C and ground segment services provider, operating a global network of 60+ ground stations across Asia, Europe, Africa, South America, and the Pacific.



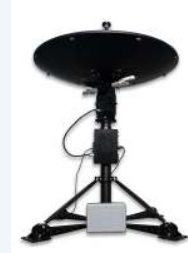
EMPOSAT CO., LTD.

Comprehensive TT&C Baseband

The EMPOSAT Comprehensive TT&C Baseband is a software-defined radio solution for space applications, capable of performing various TT&C functions and supporting multi-mode

Technology	Software-defined radio (SDR)
Modes	Standard TT&C, Integrated TT&C+data, Low-speed data, FM remote
Protocol Support	TCP, UDP
Control	Local and remote (sub-control)
Remote Upgrade	Yes

price on request



EMPOSAT CO., LTD.

EMPOSAT 1.8m Portable Ground Station

The EMPOSAT 1.8m Portable Ground Station is a modular and miniaturized system designed for satellite/rocket TT&C, data reception, and high-speed data injection, supporting mult

Frequency Bands (standard)	S/X
Frequency Bands (optional)	C/Ka
X-band Data Rate	100
Antenna Aperture	1.8
Deployment Time	<30

price on request



EMPOSAT CO., LTD.

EMPOSAT High-speed data transmission baseband

The EMPOSAT High-speed data transmission baseband supports demodulation and decoding of multiple modulation systems and high-gain channels at high bit rates, facilitating satellite

Encoding/Decoding	Convolutional, RS, LDPC
Scrambling	Supported
Frequency Converter	Plug-in, multi-band optional
RF Docking	Standalone capable
IF Noise Source	Broadband output

price on request



EMPOSAT CO., LTD.

Integrated TT&C and Data Transmission Ground System

A family of integrated telemetry, tracking, command (TT&C) and data-transmission ground stations — from mobile/portable units to 4.5m, 8m and 12m fixed antenna systems — for sa

12m station – Uplink frequency	7145MHz–7250MHz, step 1kHz
12m station – Telemetry frequency	8.025GHz–8.4GHz, step 1kHz
12m station – Data transmission frequency	7.75GHz–9.0GHz, step 1kHz
12m station – Antenna diameter	12m
12m station – Main reflector surface accuracy (RMS)	≤0.5mm

price on request

Greek space engineering company delivering advanced modeling, simulation, independent software verification, magnetic cleanliness testing, and IOD/IOV mission support. Holder of a €4M ESA Hellenic Space Dawn Mission contract.



EMTECH SPACE
Emtech Space Snapshot Multi-Magnetometer Facility (Snapshot-MMF)

Fixed 12-sensor fluxgate array for rapid, high-accuracy spacecraft magnetic signature characterization — full measurement in ~1 minute. Installed at ESA ESTEC since 2017.

Sensor array	12 Bartington Mag-13MS fluxgate magnetometers
Panel diameter	~2.3 m (circular)
Acquisition channels	36
ADC resolution	18 bit
Measurement time	~1 minute (full signature)

price on request



EMTECH SPACE
Emtech Space Suitcase Multi-Magnetometer Facility (Suitcase-MMF)

Portable carry-on magnetic cleanliness testing system — DC to 50 kHz, wireless Bluetooth, smartphone Aruco positioning, automated Multi-Dipole Modeling for field deployment.

Frequency range	DC to 50,000 Hz
Portability	Fits in carry-on suitcase
Connectivity	Wireless Bluetooth
Positioning method	Smartphone camera with Aruco tag image recognition
Supported sensors	Sensys and Bartington fluxgates, MEDA search coils

price on request

Emxys is a Spanish space electronics company specialising in advanced onboard computers, power systems, optical transceivers, and complete nanosatellite platforms for data-intensive space missions.



EMXYS
EMXYS Ground Station

The EMXYS Ground Station is a 19-inch rack-mounted terrestrial radio station for satellite communications, featuring an embedded computer, SDR, and optional rotor for satellite tra

SDR over Ethernet	Yes
Enclosure	19 inch standard
Satellite Tracking	Yes
Software included for telemetry and telecommand	Open source COSMOS
Software included for satellite tracking and rotor control	Open source Gpredict

[price on request](#) [datasheet](#)

EnduroSat

BULGARIA · 2015 · 4 PRODUCTS

Software-flexible CubeSat platforms (1U–16U+), shared-satellite hosted-payload service.



ENDUROSAT Assembly JIG

The Assembly JIG is a simple and versatile mechanical support equipment designed to make satellite assembly easy for 1U to 3U CubeSats.

Dimensions	351.5x150x40 mm
Material	Aluminum 6061 and Polyacetal POM (black)
Springs	3 configurations offering an assembly base for 1U to 3U CubeSats
Mass	3500 g

[price on request](#)



ENDUROSAT CUBESAT DESKSAT

The CubeSat DeskSat is a configurable flatsat designed for CubeSat payload integration and development, offering advanced avionics and data processing capabilities.

Dimensions	449x386x135 mm
Material	Aluminum, Stainless Steel
Power	Integrated power supply and external 100W Power Brick
Power Input/Output	3.3V, 5V, 12V
Mass	11.3 kg

[price on request](#)



ENDUROSAT CUBESAT TEST POD

A secure test pod designed for environmental testing of CubeSats ranging from 6U to 16U, facilitating easy and reliable testing procedures.

Dimensions	144.3 x 269 x 431.7 mm
Material	Aluminum 6082
Springs	optional separation springs
Mass	9.5 kg

[price on request](#)



ENDUROSAT ROTARY JIG

The Rotary JIG is a simple and versatile mechanical support equipment designed to make satellite assembly easy for CubeSats ranging from 3U to 16U.

Diameter	400 mm
Material	EN AW-6082-DIN 3.2315 and POM-ELS
Springs	3 configurations offering an assembly base for 3U to 16U CubeSats
Mass	8.5 kg

[price on request](#)

EOS (Electro Optic Systems)

AUSTRALIA · 2 PRODUCTS

Australian defense and space technology company developing world-leading space surveillance, high-energy laser systems, and satellite ground systems for

the security of Australia and its allies.



EOS (ELECTRO OPTIC SYSTEMS)

Atlas

Atlas is EOS's family of ground-based, high-energy laser space control systems designed to detect, track, characterise and protect satellites from growing threats in a contested an

Deployment configurations	Fixed, mobile, and relocatable
Detection/tracking	Real-time detection, tracking and characterisation of on-orbit objects, day and night
Mission types	Surveillance, deterrence, and active space engagement
Power	Scalable, adjustable high-energy laser power levels
Heritage	Built on EOS's 40+ years of space domain awareness and laser technology experience

price on request



EOS (ELECTRO OPTIC SYSTEMS)

Space Debris Laser Ranging and Tracking

EOS (Electro Optic Systems)'s ground-based laser systems for tracking space debris and satellites with centimeter accuracy from Mount Stromlo and global network.

Technology	Precision laser ranging (SLR), photon-counting debris detection
Facility	Mt. Stromlo Observatory, Canberra, Australia (1.8 m telescope)
Range	200 km (LEO) to 36,000 km (GEO)
Precision	Centimeter-class range measurement
Innovation	Laser photon pressure for debris orbit adjustment (demonstrated)

price on request

ETS-Lindgren

UNITED STATES · 1995 · 7 PRODUCTS

ETS-Lindgren designs and manufactures electromagnetic and acoustic energy components and systems, including RF shielded chambers and EMC test chambers, for industrial and commercial markets.



ETS - LINDGREN
5402 GTEM Test Cell

Compact GTEM cell for radiated emissions and immunity testing — 10,000-point emissions scan in 15 minutes or less, IEC 61000-4-20 and ANSI C63.4 compliant.

Compliance standards	IEC 61000-4-20, ANSI C63.4
Typical radiated emissions scan time	15 minutes or less (10,000-point scan)
Industries	Aerospace & Defense, Automotive, Commercial

price on request



ETS - LINDGREN
5405 GTEM Test Cell

GTEM test cell supporting optional high-voltage pulse testing (e.g., MIL-STD RS-105) — fast radiated emissions/immunity testing for aerospace and defense.

Compliance standards	IEC 61000-4-20, ANSI C63.4
Optional feature	High Voltage (HV) feed for pulse testing (MIL-STD RS-105)
Industries	Aerospace & Defense, Automotive, Commercial

price on request



ETS - LINDGREN

5407 GTEM Test Cell

Compact GTEM cell especially suited to small self-contained or battery-powered device testing — 15-minute radiated emissions scans, full compliance to IEC/ANSI standards.

Compliance standards IEC 61000-4-20, ANSI C63.4

Industries Aerospace & Defense, Automotive, Commercial

price on request



ETS - LINDGREN

5903-HST High Speed Reverberation Tuner

Next-generation reverberation chamber tuner reaching 100 RPM continuous rotation — supports both stepped and continuous stirring modes for automotive/aerospace/defense EMC testing.

Max continuous rotation speed 100 RPM

Supported modes Stepped (tuned), Continuous (stirred)

Standards ISO 11452-5, ISO 11452-11

price on request



ETS - LINDGREN

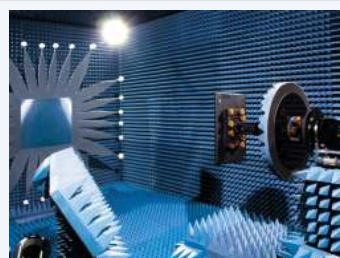
AMS-5700 Compact 5G Antenna Measurement System

Compact tabletop 2D antenna measurement system for R&D and university applications — optional 3D roll-axis stage for expanded measurement capability.

Format Tabletop, 2D (optional 3D roll-axis stage)

Industries Academia, Wireless

price on request



ETS - LINDGREN

AMS-5703 5G CATR Antenna Measurement System

Walk-in compact antenna test range chamber with 60cm quiet zone — tests smartphones to gNodeB base stations, 3GPP/CTIA/Qualcomm-approved for FR2 bands n257-n262.

Quiet zone diameter 60 cm

DUT positioning capacity 50 kg (110 lb)

Supported 5G NR bands n257-n262

Standards 3GPP, CTIA, Qualcomm-approved (FR2)

price on request



ETS - LINDGREN

EHP High Performance Microwave Pyramidal Absorber

Extra high-performance pyramidal absorber effective from 30MHz to 100GHz — conductive carbon-impregnated urethane foam for chamber wall/floor/ceiling treatment.

Frequency range	30 MHz-100 GHz
Power handling	1.0 W/in²
Substrate	Non-hygroscopic
Fire rating	Fire retardant
Optional treatment	FlexSorb (improved durability)

price on request

EUROSATCOM

FRANCE · 2003 · 6 PRODUCTS

French SATCOM equipment distributor and integrator; ground station hardware across L to Q band; founded 2003 in Les Ulis.



EUROSATCOM

Antenna Controller (8200 / 9000 Monopulse)

Antenna control units for satellite tracking ground stations — 8200 model and 9000 Monopulse tracking controller, custom systems available.

Models	8200, 9000 Monopulse
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price on request



EUROSATCOM

BUC/SSPA Amplifiers (C/X/Ku/Ka Band)

High power outdoor solid-state amplifiers across C, X, Ku, and Ka bands — 400W Ka-Band SSPA at 27.5-30GHz for military and civil applications.

Ka Band SSPA power	400W
Ka Band SSPA frequency	27.5-30GHz
PSat	56dBm
PLin	53dBm
Ka Band BUC power range	20W-100W

price on request



EUROSATCOM

Frequency Converters (Block Up/Down Converters)

Indoor and outdoor block/frequency converters spanning S, C, X, Ku, DBS, Ka, and Q bands for ground station signal chains.

Band coverage (Indoor Single band)	C, X, Ku, Ka Band
Band coverage (Indoor Q band)	Q-Band
Band coverage (Indoor Multi-band)	Ku, Ka Band
Band coverage (Indoor 2 Channels)	S, C, X, Ku, DBS, Ka

price on request



EUROSATCOM

LNB/LNA Low Noise Amplifiers

Low noise block downconverters and amplifiers for C, Ku, and Ka band satellite receive chains — noise figures as low as 0.22dB.

C Band LNB frequency	3.4-4.2 GHz
C Band best noise figure	0.22 dB (5000R Series)
Ku Band LNB frequency	10.7-12.75 GHz
Ku Band best noise figure	0.85 dB (1000DH Series)
Ka Band LNB frequency	17.7-22.2 GHz

price on request



EUROSATCOM

SATCOM/VSAT Antenna Terminals

Motorized and manual VSAT/flyaway satellite terminals in X, Ku, and Ka bands — 60cm to 130cm, European-made, field-proven, modem-agnostic.

Sizes	60cm, 80cm, 100cm, 130cm
Frequency bands	X, Ku, Ka
Positioning	Motorized (autopointing) or manual
Modem compatibility	Agnostic
Flat panel variant (Phoenix, Ku band)	30x40x14 cm

price on request



EUROSATCOM

Signal Analyzers / Spectrum & Beacon Receivers

Portable and rackmount spectrum analyzers and beacon receivers for satellite signal monitoring — compact, portable, rackmount, and OEM module form factors.

EVO-CLM (Rev B)	L-Band or 400-3000 MHz, compact form factor
PSA-2500	5 MHz - 2300 MHz, portable form factor
EVO-RSA (Rev B)	70 to 6000 MHz (option), rackmount
LBR-2195A	L-Band, OEM form factor

price on request

EXA (Astro-und Feinwerktechnik)

GERMANY · 1993 · 1 PRODUCT

German manufacturer of reaction wheels, CubeSat picosatellite deployers, and AOCS components for small satellites, based in Berlin-Adlershof.



EXA (ASTRO-UND FEINWERKTECHNIK)

ASTROFEIN ACS Test Bed

The ASTROFEIN ACS Test Bed is a comprehensive test stand for verifying the attitude control systems of mini and microsatellites, offering end-to-end testing capabilities including

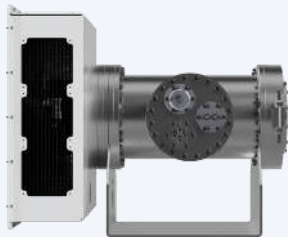
Rotation around vertical axis	free 360°
Rotation around horizontal axis	20° – 30°
Magnetic field simulation	High-precision in-orbit
CoG calibration	Electronic
Sun simulation	Adjustable and movable

price on request

Exobotics

UNITED KINGDOM · 1 PRODUCT

Modular nanosatellite platforms and space test equipment using robotics, AI, and advanced materials.



EXOBOTICS

XO-VAC

The XO-VAC is a low-cost, desktop thermal vacuum chamber designed for CubeSats, nanosatellites, and small payloads, simulating space environmental conditions through high vacuum an

Price	From £48,000 (base model)
Overall dimensions	1260 mm x 750 mm x 600 mm
Working volume	8.4L / 3U CubeSat
Temperature range	-25 C to 125 C
Thermal	radiation via shroud and/or conduction via tray

from £48 000 [datasheet](#)

Experior Laboratories

UNITED STATES · 2003 · 4 PRODUCTS

Experior Laboratories provides independent design verification and qualification testing services for components and systems across space, aerospace, military, and other industries.

EXPERIOR LABORATORIES

Comprehensive Testing Services

Experior Laboratories offers comprehensive testing, certification, and qualification services for components and systems across various industries, including space, satellite, and

Vacuum level	10 ⁻⁷ torr
Temperature range	±150°C
Chamber #1 (Diversified Vacuum 3600)	36"x54" inner volume



EXPERIOR LABORATORIES
Cryogenic Testing Services

Chamber #2 (Nanovac Galaxy TVC225HSM)	60"x72" inner volume
Chamber #3	23"x23"x23" inner working volume
price on request	

Extreme low-temperature testing down to 4K — liquid nitrogen and liquid helium cycling for simulating cryogenic fuel systems and space thermal environments.	
Minimum test temperature	4K (-269°C)
Coolants	Liquid nitrogen, liquid helium
Safety systems	Triple-redundant overpressure relief, shutoff valve, O2 sensors
price on request	



EXPERIOR LABORATORIES

Direct Field Acoustic Testing (DFAT)

High-intensity acoustic launch-simulation testing using the Acoustic Research Systems NEUTRON System — full satellite DFAT process in 4 days or less.

Process time	Load-in to load-out in ≤4 days for large satellite
Control system	DF-ACS (m+p international)
Simulation integration	Dassault Systemes Wave6 vibroacoustic platform
Standards	Meets/exceeds NASA, SpaceX, Aerospace, Military requirements

price on request



EXPERIOR LABORATORIES

Mechanical Shock Testing Services

Classical, pyroshock, and high-G shock testing — up to 10,000+ G via Lansmont P30, proprietary KIPS pyroshock simulation system.

Classical shock	Up to 1,500 G
Horizontal shock system	Up to 5,000 G on parts over 500 lb
SRS Shaker Shock (T2000)	Up to 5,000 G
Lansmont P30 shocks	>10,000 G, max velocity change 600+ in/s
Data capture rate	1 MHz

price on request

Expleo

FRANCE · 1 PRODUCT

Expleo provides engineering, digital, and quality services for satellite systems, payload development, and ground operations to space agencies, manufacturers, and commercial organizations.

EXPLEO

Aerospace Systems Engineering Services

Expleo's aerospace systems engineering, embedded software, and qualification testing services for space and aviation programs across Europe.

Services	Systems engineering, embedded SW, ECSS compliance, verification/validation
Customers	Airbus DS, Thales Alenia Space, OHB, Safran (European space primes)
Testing	HWIL, software validation, EMC advisory
Presence	30 countries, 17,000+ employees

Key Locations	Toulouse, Bremen, Munich, London (near European space clusters)
price on request	

EyasSat

UNITED STATES · 1 PRODUCT

American company making the EyasSat nanosatellite simulator, an educational spacecraft kit co-developed with the US Air Force Academy covering all six satellite bus subsystems for university and workforce training.



EYASSAT

EyasSat Single axis air bearing for Attitude Control Studies

Light weight, economical air bearing for conducting attitude control studies about a single axis. Studies include center of mass management, testing various control laws, and...

Manufacturer	EyasSat
--------------	---------

€1 093

findgs

1 PRODUCT

Global satellite ground station directory platform connecting satellite operators with 650+ ground station providers worldwide on a flexible pay-per-use model.

FINDGS

findgs Ground Station Discovery Platform

US platform (find-gs) helping satellite operators discover, compare, and book ground station capacity across multiple providers.

Type	Ground station marketplace/discovery platform
------	---

Country	USA
---------	-----

price on request

Fossa Systems is a Spanish satellite IoT company operating a nanosatellite constellation, ground stations, and IoT gateway devices to deliver low-cost global connectivity for remote asset monitoring across energy, logistics, agriculture, an



FOSSA SYSTEMS

FOSSA Ground Station

The FOSSA Ground Station provides a comprehensive end-to-end solution for Low Earth Orbit (LEO) satellite operations, offering versatile support for multiple frequency bands and re

price on request



FOSSA SYSTEMS

FOSSA Nexus IoT Gateway

Modular IoT device and gateway with hybrid satellite/GSM/NB-IoT/LoRa connectivity, solar or battery powered, weatherproofed for global remote sensor deployments.

price on request

Danish embedded software specialist providing satellite communications protocol stacks, waveforms and test tools for terminals, satellites and networks.

GATEHOUSE SATCOM

5G NTN Network Emulator (NEMU)

Software emulator for off-air and in-orbit validation of 5G NTN link performance

price on request

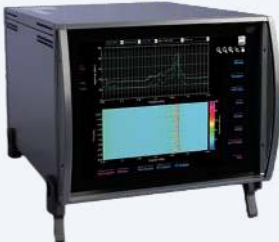
GATEHOUSE SATCOM

UAV Satcom Test Tools

Digital-twin off-air test tools for validating satellite connectivity on UAVs and unmanned vehicles

price on request

GAUSS Instruments manufactures high-performance EMC test equipment and EMI test solutions, including real-time receivers, for various industry standards and applications.



GAUSS INSTRUMENTS

TDEMI ULTRA

Ultra-high-performance real-time EMI/EMC receiver and measurement system covering DC to 40 GHz with a 685 MHz instantaneous bandwidth, combining spectrum analyzer, real-time spectr

Frequency range

DC to 40 GHz

Instantaneous (real-time) bandwidth

685 MHz

Real-time disturbance power measurement span	up to 300 MHz
Quasi-peak parallel frequencies	up to 64,000 frequencies in parallel
Quasi-peak characterization range	up to 1 GHz
price on request	

GAUSS Srl

ITALY · 2012 · 1 PRODUCT

Italian company specializing in complete lifecycle management of CubeSats and NanoSatellites: design, manufacturing, subsystems, ground stations and deployers.



GAUSS SRL

GAUSS Mini Ground Dongle

USB low-power UHF transceiver/TNC dongle for safely simulating a ground station under laboratory conditions.

Output power	Up to 15 dBm
Frequency band	UHF for TT&C
Interface	USB, with drivers for Windows, Linux and MAC
Protocol	AX.25 supported
FEC	Viterbi k4 (Viterbi k7 & Reed-Solomon on request)

price on request [datasheet](#)

GDP Space Systems

UNITED STATES · 10 PRODUCTS

GDP Space Systems designs and manufactures telemetry receivers, satellite modems, and range management systems for aerospace and flight test applications.



GDP SPACE SYSTEMS

Best Source Selectors

GDP's Best Source Selectors (BSS) are ground-segment units that acquire and enhance telemetry signals from moving sources like launch vehicles, using advanced algorithms to correlate

Performance Gain	Over 5dB
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GDP SPACE SYSTEMS

Bit Synchronizers

GDP Space offers a range of PCM Bit Synchronizers designed to reconstruct input data streams and recover the clock with high fidelity for telemetry ground stations, ensuring reliable

Performance	Better than 1dB from theory all the way down to -3dB
-------------	--

Model 2267C Input Data Streams	Up to 16
Model 2267C Output Processing Groups	Up to 6
Model 2266C Channels	Up to 8
Flight Heritage	Over 12 years of successful acquisition and enhancement for thousands of missions

price on request

Input Signal Levels	Eb/No Down to 100mV
Data Rates	10 bps to 40+ Mbps
Configurations	Single or Multi-channel Rackmount Units, Single or Dual-channel PCI Cards
Model 2265 Channels	Up to 4 bit synchronizer channels

price on request

[datasheet](#)



GDP SPACE SYSTEMS

Model 2265 Multi-Channel PCM Bit Synchronizer

Rackmount multi-channel PCM bit synchronizer housing up to 4 bit sync channels in a 2U chassis, with built-in BERT/frame sync.

Channels	Up to 4 per 2U chassis
Data rate	10 bps to 40+ Mbps
Sensitivity	Down to -3 dB Eb/No at 100 mVpp
Modulation support	QPSK, OQPSK, SQPSK
Form factor	2U rackmount, or single/dual-channel PCI card

price on request



GDP SPACE SYSTEMS

Model 2265EC Multi-Channel PCM Bit Synchronizer / Encapsulator

High-performance multi-channel PCM bit synchronizer with data encapsulation for use with GDP diversity combiner / best source selector products.

Channels	Up to 4 per 2U chassis
Bit error/jitter performance	Better than 1dB from theory down to -3dB Eb/No
Minimum input signal level	100 mVpp
Data rate	10 bps to 40+ Mbps
Waveform support	QPSK, OQPSK, SQPSK merging

price on request



GDP SPACE SYSTEMS

Model 2267C Multi-Channel Correlating Best Source Selector

The GDP Model 2267C Correlating/Diversity Combining Best Source Selector accepts up to 16 input data streams, each from digital data and clock or optional Ethernet output packets.

Input streams	Up to 16
Output groups	Up to 6 Best Source processing groups
Performance gain	Over 5 dB vs. single receive path
I/O	Direct Ethernet TMoIP, analog, or digital
Data compatibility	Encrypted or clear data

[price on request](#)



GDP SPACE SYSTEMS

Model 2365A Multi-Channel PCM Bit Synchronizer

8-channel PCM bit synchronizer in a 4U rackmount chassis with local touch-screen control.

Channels	Up to 8 per 4U chassis
Control interface	Local PC/mouse/keyboard, optional touch-screen
Data rate	10 bps to 40+ Mbps
Form factor	4U rackmount chassis

[price on request](#)



GDP SPACE SYSTEMS

Model 4426 2U/3U Digital RF Receiver Dual / Quad Channel

The GDP Model 4426 is a 3rd Generation Digital RF Receiver available in single, dual, or quad channel configurations, designed for telemetry signal reception and processing in a 2U

RF Frequency	S Band 2185-2485 MHz, Upper L Band 1700-1850 MHz, Lower L Band 1427-1545 MHz
Data Rate	50 bps to 10 Mbps (bit sync); up to 20 Mbps optional
Modulation	BPSK, QPSK, OQPSK, PCM/FM, SQPSK-TG, Multi-H CPM, GMSK
FEC	LDPC, Viterbi, Reed Solomon
Noise Figure	< 10 dB

[price on request](#) [datasheet](#)



GDP SPACE SYSTEMS

Model 4460 Portable Digital RF/IF Receiver

The Model 4460 is a portable, lightweight digital RF/IF receiver designed for telemetry signals, featuring adaptive equalization, LDPC support, and multiple RF bands for downlink p

Chassis Dimensions	10.75 x 12 x 1.75 inches high
RF Bands Processed	S Band (2185 MHz to 2485 MHz); Upper L Band (1700 MHz to 1850 MHz); Lower L Band (1427 MHz)
IF Filters	Choice of 4 available
Output Ports	Byte aligned Ethernet (optional), TTL, RS422
Ethernet Transport	UDP/IP for raw data, optionally HDLC/AX.25mdata

[price on request](#) [datasheet](#)



GDP SPACE SYSTEMS

Model RDM207 Digital RF Receiver

The RDM207 is a single-channel digital RF/IF receiver on a PCI card, offering advanced signal processing, demodulation, and synchronization for various communication link scenarios

Form Factor	Single-slot PCI card
RF Frequency	S Band 2185-2485 MHz, Upper L Band 1700-1850 MHz, Lower L Band 1427-1545 MHz
Data Rate	Up to 40 Mbps
Modulation	BPSK, QPSK, OQPSK, UQPSK, AQPSK, GMSK, SOQPSK ARTM Tier 1
Noise Figure	< 10 dB

[price on request](#) [datasheet](#)



GDP SPACE SYSTEMS

PCM Bit Synchronizers

GDP Space offers a range of PCM Bit Synchronizers designed to reconstruct input data streams and recover the clock with high fidelity for telemetry ground stations, ensuring reliab

Performance	Better than 1dB from theory all the way down to -3dB Eb/No
Input Signal Levels	Down to 100mV
Data Rates	10 bps to 40+ Mbps
Model 2265 Channels	Up to 4 bit synchronizer channels
Model 2265 Chassis	2U

[price on request](#) [datasheet](#)

Geespace

CHINA · 2018 · 2 PRODUCTS

Chinese satellite IoT operator (part of Geely Holding) building and operating the GEESATCOM low Earth orbit communication constellation and satellite terminal hardware.



GEESPACE

GA120C Geesatcom Satellite Antenna

The GA120C Geesatcom Satellite Antenna is an integrated transmit-and-receive antenna designed for stable and continuous reception and transmission of GEESATCOM satellite signals, s

Supports	GEESATCOM satellite communication
Technology	LDS technology with 3D- structured antenna
Max. Input-power restriction	≤5W
Dimensions	130mm×130mm×33mm

[price on request](#)



GEESPACE

Geesatcom DTU

The Geesatcom DTU is a highly integrated, high-performance, and reliable satellite communication unit that provides satellite data transmission and GNSS positioning in areas without

Dimensions	Φ=280mm, H=239mm
Protection Rating	IP67

[price on request](#)

General Atomics Synopta GmbH

SWITZERLAND · 2004 · 2 PRODUCTS

Swiss opto-electronics company (part of General Atomics since 2021) developing laser-communication beam-pointing systems, optical ground stations, and

free-space/fiber optical communication components.



GENERAL ATOMICS SYNOPTA GMBH
Metrology

Custom-built metrology and control systems from GA-Synopta for measuring, calibrating and characterising optical and electromechanical systems, including test beds relevant to space

Capabilities	Point spread function, focal length, distortion, magnification, spectral transmission meas
DIMM systems	Differential Image Motion Measurement for atmospheric turbulence characterization
Other systems	Climatic chamber control, electronic autocollimators, motor test beds, beam pointing/stabi

price on request



GENERAL ATOMICS SYNOPTA GMBH
Optical Ground Stations

Stationary and transportable adaptive optical ground stations for laser communication with satellites in GEO/MEO/LEO or deep space.

S-AOGS telescope size	> Ø 0.5 m
T-AOGS telescope size	Ø 0.25 m to Ø 1 m
Data rate with GEO satellite	> 2 Gbit/s (uplink and downlink)
Feeder link to GEO satellite	> 20 Gbit/s uplink, > 10 Gbit/s downlink, scalable up to Tbit/s
Supported wavelengths	e.g. 1064 nm, 1550 nm

price on request

General Dynamics Mission Systems

UNITED STATES · 1954 · 1 PRODUCT

General Dynamics Mission Systems is a defense electronics manufacturer and integrator providing mission-critical solutions for land, sea, air, space, and cyber domains.



GENERAL DYNAMICS MISSION SYSTEMS
General Dynamics Satellite Ground Terminal — 7.3-Metre Earth Station Antenna

General Dynamics Mission Systems (GDMS) is a US defense and technology company providing advanced mission-critical solutions including satellite communications terminals, ground sy

price on request

GEOVIS / Zhongke Xingtu provides aerospace information services, including software, data, technology development, and system integration for smart earth, commercial aerospace, and low-altitude economy

GEOVIS / ZHONGKE XINGTU

Geospatial Big Data Analytics Platform

GEOVIS (Zhongke Xingtu)'s satellite geospatial big data analytics platform — aggregating multi-source EO data into enterprise intelligence products for Chinese government and commercial

Platform	Sky Map (Xingtu) – cloud geospatial big data analytics
Data Sources	Gaofen, HJ, ZY series + SAR, hyperspectral, third-party imagery
Capabilities	Change detection, 3D city modeling, AI scene understanding, land-use classification
Origin	CAS spin-out (RADI – Institute of Remote Sensing and Digital Earth)
HQ	Beijing, China (STAR Market listed, 3,000+ employees)

price on request



GEOVIS / ZHONGKE XINGTU

Ground Station Network

The Ground Station Network consists of a Tianlu application platform (multiple high-performance sites) and an intelligent measurement, control, and operation center, providing all-

price on request

Gilat Satellite Networks

Israeli VSAT and satellite networking company; 1.5M+ terminals in 100+ countries for broadband, cellular backhaul, and government connectivity.



GILAT SATELLITE NETWORKS

VSAT Network Infrastructure and Broadband Services

Gilat Satellite Networks' enterprise-grade VSAT modems, hub systems, and managed satellite broadband services for rural connectivity, cellular backhaul, and enterprise communication

Products	SkyEdge VSAT hub + terminals, network management software
Waveforms	DVB-RCS2, DVB-S2X with ACM
Throughput	1–200+ Mbps per terminal (Ka-band HTS)
Services	Cellular backhaul, rural broadband, enterprise VPN, government networks
HQ	Petah Tikva, Israel (NASDAQ: GILT)

price on request

Glavkosmos

RUSSIA · 1985 · 129 PRODUCTS

Glavkosmos coordinates international human spaceflight projects, facilitates satellite launches, develops and supplies rocket components, and provides equipment for space crews.



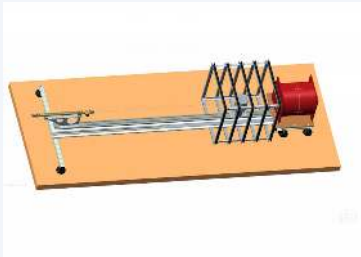
GLAVKOSMOS

"TERRA" complex of space environment simulators

TERRA is a space flight simulation complex that recreates the orbital environment—including Earth's magnetic field and solar radiation—for conducting experiments with satellite mod

Year of release	2017
Guaranteed service life (years)	1
Estimated production / delivery time (months)	3
Diameter	no less than 1.2 m
Interface	RS-485

price on request



GLAVKOSMOS

A Set of Stationary Control and Verification Equipment (SSCVE)

The SSCVE is a stationary control and verification equipment designed to measure and control the induction of magnetic fields generated by an EMU, proportional to the current flowi

Year of release	2017
Guaranteed service life (years)	3
Estimated production / delivery time (months)	6
Brief history of flight qualification	Individual production.
Possibility to adapt the product to customer requirements	Yes

price on request



GLAVKOSMOS

Active Weightlessness System

The Active Weightlessness System is a ground-based test equipment designed to simulate weightlessness for modal testing of large transformable spacecraft systems, including reflect

Purpose **Ground modal testing under conditions simulating weightlessness and testing of large trans**

Year of release	2014
Guaranteed service life (years)	3
Estimated production / delivery time (months)	12
Possibility to adapt the product to customer requirements	Yes

price on request



GLAVKOSMOS

Aggressive Liquids Filling Equipment Complex

A ground support equipment complex for filling prepared fuel components (temperature- and gas-content-conditioned) into launch vehicle or spacecraft tanks using compressed gas pres

Purpose **Filling of prepared (by temperature and gas content) fuel components with the method of co**

Year of release	2016
Guaranteed service life (years)	3
Estimated production / delivery time (months)	24
Flight qualification of the product	No

price on request



GLAVKOSMOS

Air Bearing (15 kg)

Rotates through 360° along one axis (vertical), the possibility of rotation in two horizontal axes is limited. Air bearing consists of a pedestal and hemisphere-form bearing. The

Max carrying capacity, kg	15
Angle of turn relative to vertical axis	not limited
Angle of turn relative to horizontal axes	±30°

price on request



GLAVKOSMOS

Air Bearing (160 kg)

Rotates through 360° along one axis (vertical), the possibility of rotation in two horizontal axes is limited. Air bearing consists of a pedestal and hemisphere-form bearing. The

Max carrying capacity, kg	160
Angle of turn relative to vertical axis	not limited
Angle of turn relative to horizontal axes	±30°

price on request



GLAVKOSMOS

Air Bearing (35 kg)

Rotates through 360° along one axis (vertical), the possibility of rotation in two horizontal axes is limited. Air bearing consists of a pedestal and hemisphere-form bearing. The

Max carrying capacity, kg	35
Angle of turn relative to vertical axis	not limited
Angle of turn relative to horizontal axes	±30°

price on request



GLAVKOSMOS

Air Bearing (65 kg)

Rotates through 360° along one axis (vertical), the possibility of rotation in two horizontal axes is limited. Air bearing consists of a pedestal and hemisphere-form bearing. The

Max carrying capacity, kg	65
Angle of turn relative to vertical axis	not limited
Angle of turn relative to horizontal axes	±30°

price on request



GLAVKOSMOS

Antenna ASNG-2

The Antenna ASNG-2 is an active geodesic antenna designed for use with GLONASS/GPS surveying equipment, featuring rear radiation cut-off.

Purpose	As part of the GLONASS / GPS surveying equipment. Work through space navigation systems (S
---------	--

Year of release	2017
Guaranteed service life (years)	3
Estimated production / delivery time (months)	3
Flight qualification of the product	No

price on request



GLAVKOSMOS

Antenna ASNG-3

Active geodesic antenna for GLONASS/GPS surveying equipment, operating through space navigation systems with rear radiation cut-off.

Purpose	As part of the GLONASS / GPS surveying equipment. Work through space navigation systems (S
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Year of release	2018
Guaranteed service life (years)	3
Estimated production / delivery time (months)	3
Flight qualification of the product	No

price on request



GLAVKOSMOS

Antenna ASNK-2

The Antenna ASNK-2 is an all-ceramic active antenna module designed for GLONASS/GPS wearable receivers, enabling operation through space navigation systems.

Purpose	GLONASS / GPS wearable receiver. Work through space navigation systems (SNS).
Year of release	013
Guaranteed service life (years)	3
Estimated production / delivery time (months)	3
Flight qualification of the product	No

price on request



GLAVKOSMOS

Antenna ASNM-6

The ASNM-6 is a microstrip active antenna module designed for use with stationary and transportable dual-band GLONASS/GPS navigation receivers, operating through space navigation s

Purpose	As part of the stationary and transportable dual-band navigation receiver GLONASS / GPS. W
Year of release	2011
Guaranteed service life (years)	3
Estimated production / delivery time (months)	3
Flight qualification of the product	No

price on request



GLAVKOSMOS

Antenna ASNP-2

Microstrip active antenna module for a personal GLONASS/GPS receiver, operating via satellite navigation systems (SNS).

Purpose	As part of a personal GLONASS / GPS receiver. Work through space navigation systems (SNS).
Year of release	2009
Guaranteed service life (years)	3
Estimated production / delivery time (months)	3
Flight qualification of the product	No

price on request



GLAVKOSMOS

Antenna ASNP-4

The Antenna ASNP-4 is a microstrip active antenna module designed for use with GLONASS/GPS wearable dual-band navigation receivers, operating within space navigation systems.

Purpose	As part of the GLONASS / GPS wearable dual-band navigation receiver. Work through space na
Year of release	2011
Guaranteed service life (years)	3
Estimated production / delivery time (months)	3
Flight qualification of the product	No

price on request



GLAVKOSMOS

Antenna feeder device

The Antenna feeder device is a transceiver single-mirror antenna system with a 2.4m reflector, designed for C-band satellite communications earth stations.

Purpose	Designed for use as part of earth stations in satellite communications C-band.
Year of release	2012
Guaranteed service life (years)	15 years
Estimated production / delivery time (months)	9
Possibility to adapt the product to customer requirements	Yes

price on request



GLAVKOSMOS

Antenna Feeder Device 3

The Antenna Feeder Device 3 is a C-band ground station antenna system designed for satellite communications, featuring a 3.7m Cassegrain reflector and electromechanical drives.

Purpose	Designed for use as part of earth stations in satellite communications C-band.
Year of release	2012
Guaranteed service life (years)	15 years
Estimated production / delivery time (months)	9
Possibility to adapt the product to customer requirements	Yes

price on request



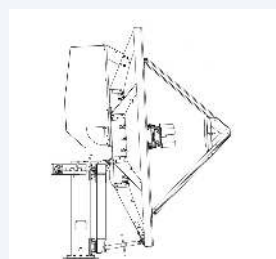
GLAVKOSMOS

Antenna Feeder Device 4

The Antenna Feeder Device 4 is a C-band ground station antenna system with a 4.5m reflector, designed for satellite communications, featuring a Cassegrain system and electromechanical drives.

Purpose	Designed for use as part of earth stations in satellite communications C-band.
Year of release	2012
Guaranteed service life	15 years
Estimated production / delivery time	9 months
Possibility to adapt the product to customer requirements	Yes

price on request



GLAVKOSMOS

Antenna Feeder Device AC-25KRL-Ku/S

The AC-25KRL-Ku/S is an antenna feeder device designed for satellite earth stations, operating in S and Ku bands with a 2.4m reflector.

Year of release	2014
Guaranteed service life (years)	15 years
Estimated production / delivery time (months)	9
Possibility to adapt the product to customer requirements	Yes
Reflector diameter	2,4 m

price on request



GLAVKOSMOS

Antenna MAZ-M2

A transportable microstrip active GPS/GLONASS navigation antenna module for armored vehicles, operating through space navigation systems (SNS).

Purpose	Transportable GPS / GLONASS navigation receiver (armored vehicles). Work through space nav
Year of release	2012
Guaranteed service life (years)	3
Estimated production / delivery time (months)	3
Flight qualification of the product	No

price on request



GLAVKOSMOS

Antenna Post L- and S-bands

The Antenna Post L- and S-bands is a 6.0m Cassegrain antenna system designed for satellite communications earth stations, operating in L- and S-bands with circular right polarizati

Year of release	2016
Guaranteed service life (years)	10 years
Estimated production / delivery time (months)	12
Possibility to adapt the product to customer requirements	Yes
Reflector diameter	6,0 m

price on request



GLAVKOSMOS

Antenna SA2-M

The Antenna SA2-M is a dual-band active antenna module designed for ground equipment of Doppler systems, working through space navigation systems.

Purpose	As part of the ground equipment of Doppler systems. Work through space navigation systems
Year of release	2014
Guaranteed service life (years)	3
Estimated production / delivery time (months)	3
Flight qualification of the product	No

price on request



GLAVKOSMOS

Antenna System 4,1 meters Ka

A 4.1-meter Ka-band antenna system designed for receiving signals from geostationary orbit (GSO) satellites, featuring a Cassegrain design with electromechanical drives and remote

Purpose	Designed to receive signals in the Ka- band from satellites located on the GSO.
Year of release	2016
Guaranteed service life	15 years
Estimated production / delivery time	9 months
Possibility to adapt the product to customer requirements	Yes

price on request



GLAVKOSMOS

Antenna System 7.2 m

A two-mirror receiving and transmitting antenna system with a 7.2 m reflector, designed for C-band satellite communications earth stations.

Purpose Designed for use in satellite communications earth stations for operation in the C-band.

Year of release 2016

Guaranteed service life 15 years

Estimated production / delivery time 12 months

Possibility to adapt the product to customer requirements Yes

price on request



GLAVKOSMOS

Antenna System 7.2 m C/Ku

A 7.2-meter Cassegrain antenna system designed for satellite communications earth stations, capable of receiving spacecraft signals in C and Ku bands.

Purpose It is intended for use as part of satellite communications earth stations for receiving sp

Year of release 2016

Guaranteed service life (years) 10 years

Estimated production / delivery time (months) 12

Possibility to adapt the product to customer requirements Yes

price on request



GLAVKOSMOS

Antenna System 7.2 m C/Ku/Ka

The Antenna System 7.2 m C/Ku/Ka is a receiving two-mirror Cassegrain antenna designed for satellite communications earth stations to receive spacecraft signals across S-Ku-Ka band

Reflector diameter 7,2 m

Receive Frequency Range 3,42- 4,2; 10,70- 12,75; 17,70- 21,70 GHz

Polarization circular or linear

Receive gain ≥46,5 dB (3,8 GHz); ≥55,0 dB (11,725 GHz); ≥58,0 dB (19,7 GHz)

Cross polarization interchange ≥27 dB

price on request



GLAVKOSMOS

Antenna System 7.2 m L/S/X

A 7.2-meter Cassegrain antenna system designed for satellite communications earth stations, capable of receiving spacecraft signals in L, S, and X-bands with remote polarization sw

Purpose Designed for use as part of satellite communications earth stations for receiving spacecra

Year of release 2016

Guaranteed service life (years) 10 years

Estimated production / delivery time (months) 12

Possibility to adapt the product to customer requirements Yes

price on request



GLAVKOSMOS

Antenna System 9.3 M AC93R-C/Ku

The Antenna System 9.3 M AC93R-C/Ku is a two-mirror Cassegrain antenna designed for satellite earth stations to receive signals in the C and Ku frequency bands.

Purpose	Designed for use in satellite earth stations for receiving signals in the C and Ku bands.
Year of release	2012
Guaranteed service life (years)	15 years
Estimated production / delivery time (months)	12
Possibility to adapt the product to customer requirements	Yes
price on request	



GLAVKOSMOS

Antenna-feeder System 9.3 m

The Antenna-feeder System 9.3 m is a Cassegrain-type transceiver two-mirror antenna system designed for satellite communications earth stations operating in the C-band.

Purpose	Designed for use in satellite communications earth stations for operation in the C-band.
Year of release	2015
Guaranteed service life (years)	15 years
Estimated production / delivery time (months)	12
Possibility to adapt the product to customer requirements	Yes
price on request	



GLAVKOSMOS

Automated System for Launch Complex Ground Support Equipment Control

The Automated System for Launch Complex Ground Support Equipment Control is designed for remote control, monitoring, and administration of support systems during the pre-launch pre

Year of release	2004
Guaranteed service life (years)	at least 12 years
Estimated production / delivery time (months)	12/6
Flight qualification of the product	No
Brief history of flight qualification	No
price on request	



GLAVKOSMOS

Automated Testing Complex ATC

Spacecraft electrical test complex (672 discrete outputs, 1440 discrete inputs, 48 DC channels, 510 insulation channels, 450x450 cross, QNX/Windows, up to 250 m remote). Customizab

Purpose	Comprehensive ground-based electrical testing and spacecraft system verification
Year of release	2007
Guaranteed service life, years	10
Estimated production/delivery time	12 months
Customization	Can be adapted to customer requirements
price on request	



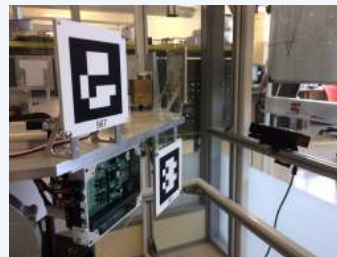
GLAVKOSMOS

Automatic Control System of Thermal-vacuum-testing

This system provides automatic control for thermal-vacuum testing of spacecraft in a vacuum chamber, including analysis of off-nominal situations.

Purpose	Automatic control of thermal vacuum testing course of spacecraft in a vacuum chamber. Off-
Year of release	2011
Guaranteed service life (years)	5
Estimated production / delivery time (months)	12
Possibility to adapt the product to customer requirements	Yes

price on request



GLAVKOSMOS

Autonomous Measurements System

A ground-based test system that independently verifies the performance of a microsatellite's attitude determination and control system by optically tracking markers on a test mocku

Purpose	Designed to verify the work of attitude determination and control system
Year of release	2013
Estimated production / delivery time (months)	5
Flight qualification of the product	No
Possibility to adapt the product to customer requirements	No

price on request



GLAVKOSMOS

Cart

A manually- or vehicle-towable transport cart used to move various space-industry products around ground infrastructure facilities, with a carrying capacity of up to 4000 kg.

Purpose	Transportation of different kind of the Products
Year of release	2014
Guaranteed service life (years)	15
Estimated production / delivery time (months)	12
Flight qualification of the product	No

price on request



GLAVKOSMOS

Complex IVK-M

Spacecraft comprehensive electrical test complex (334 discrete outputs, 324 inputs, 18 DC channels, 20-ch solar simulator, 27 V/5 A supply, QNX/Windows). Customizable.

Purpose	Comprehensive spacecraft electrical testing and system verification
Year of release	2019
Guaranteed service life, years	10
Estimated production/delivery time	12 months
Customization	Can be adapted to customer requirements

price on request



GLAVKOSMOS

Complex IVK-SOK-M

Spacecraft orientation system test complex (MIL-STD-1553B, magnetic field simulator, 42-ch signal monitoring, UPS, Windows) for ADCS testing. Customizable.

Purpose	Spacecraft orientation system (ADCS) testing
Year of release	2009
Guaranteed service life, years	10
Estimated production/delivery time	12 months
Customization	Can be adapted to customer requirements

price on request

GLAVKOSMOS

Complex of Technical Means for Impact Area Operation

Radar complex for LV detachable part tracking (10 GHz, >300 km, variable 10°×10° to 1.25°×2.5° beam, weatherproof) for impact area raiding parties.

Purpose	LV detachable part trajectory tracking and drop location determination for impact area operations
Customization	Can be adapted to customer requirements
Radar frequency, GHz	10
Beam width	Variable: 10°×10° to 1.25°×2.5°
Target type	Approaching and opening

price on request



GLAVKOSMOS

Compressed Gases Storage Equipment

The Compressed Gases Storage Equipment (CGSE) is a ground support system designed for intaking, storing, and delivering compressed gases (Air, Nitrogen, Helium) to launch and technical equipment.

Purpose	Intaking of compressed gases (Air, Nitrogen, Helium) with specified parameters from compressed gas supply system
Year of release	Development start 2002
Flight qualification of the product	No
Possibility to adapt the product to customer requirements	Yes

price on request



GLAVKOSMOS

Compressed Gases Supply System

The Compressed Gases Supply System (CGSS) provides compressed Air, Nitrogen, and Helium with specified parameters for launch vehicles and launch complex equipment. It is a comprehensive system.

Purpose	Compressed gases (Air, Nitrogen, Helium) with specified parameters provision when working
Year of release	Development start 2002
Guaranteed service life	2 years
Flight qualification of the product	No
Possibility to adapt the product to customer requirements	Yes

price on request



GLAVKOSMOS

Control Complex of a Large-sized Products

A programmable real-time control complex for monitoring the shape and dimensional deviations of large-sized product forms (10 m and larger) using a network of compact triangulation

Purpose	Real time control of large-sized product forms (from 10 m and more)
Year of release	2007
Guaranteed service life (years)	1
Estimated production / delivery time (months)	12
Possibility to adapt the product to customer requirements	Yes

price on request



GLAVKOSMOS

Control, Analysis and Statistics System Designed for Proper Operation of Spacecraft Onboard System

A software package for spacecraft status control and assessing its capability to perform task-oriented missions, analyzing telemetric data and providing operational insights.

Purpose	The software package is designed for spacecraft status control and assessing its capability
Year of release	2019
Guaranteed service life (years)	Unlimited
Estimated production / delivery time (months)	1 month
Flight qualification of the product	No

price on request



GLAVKOSMOS

Crossbeam 1

The Crossbeam 1 is a ground support equipment designed for transshipment and movement of long loads with a variable center of mass, capable of handling up to 90 tons.

Purpose	Transshipment and movement of long loads with variable position of the center of mass.
Year of release	2019
Guaranteed service life	10 years
Estimated production / delivery time	9 months
Flight qualification of the product	No

price on request



GLAVKOSMOS

Crossbeam 2

The Crossbeam 2 is a ground support equipment designed for the transshipment and mating of loads, ensuring that permissible load limits are not exceeded during interaction.

Purpose	Transshipment of the load and provision its mating with the receiving part without transfe
Year of release	2015
Guaranteed service life (years)	10 years
Estimated production / delivery time (months)	9
Flight qualification of the product	No

price on request



GLAVKOSMOS

CubeSat ADCS Testing Facility

A ground-based test bench for functional testing of the orientation and stabilization (ADCS) system of 3U CubeSats, including an air bearing table, sun and magnetic field simulator

Purpose	Designed for functional testing of CubeSat 3U orientation and stabilization system
Year of release	2014
Estimated production / delivery time (months)	6
Flight qualification of the product	No
Possibility to adapt the product to customer requirements	No
price on request	



GLAVKOSMOS

Data Receiving and Satellites Controlling Station

A ground station for two-way communication with small spacecraft, featuring software-defined radio technology and a rotating high-gain antenna.

Year of release	2018
Guaranteed service life (years)	1
Estimated production / delivery time (months)	3
Flight qualification of the product	No
Possibility to adapt the product to customer requirements	No
price on request	



GLAVKOSMOS

DHS 514 Pressure Converter

The DHS 514 Pressure Converter is a piezoelectric transducer designed to measure acoustic pressures of non-aggressive gaseous media affecting rocket and space technology structural

Estimated production / delivery time	6 months
Flight qualification of the product	Yes
Range of measurements of acoustic pressure	125-185 dB
Conversion coefficient	110±15, 140±45, 155±15, 170±15 μV / Pa
Error	±1.0 dB
price on request	



GLAVKOSMOS

DHS 517 Pressure Converter

The DHS 517 Pressure Converter is a flight-qualified piezoelectric transducer designed to measure sound pressure of non-aggressive gaseous media on structural elements of rocket an

Purpose	Measurement of sound pressure of non-aggressive gaseous media acting on structural element
Estimated production / delivery time	6 months
Flight qualification of the product	Yes
Range of measurements of sound pressure	125-185 dB
Frequency range	3-4000 Hz
price on request	



GLAVKOSMOS

Dynamic Pressure Sensor Vt 206

The Dynamic Pressure Sensor Vt 206 is a strain gauge sensor designed for measuring static-dynamic pressure in liquid and gaseous aggressive and non-aggressive media, primarily for

Purpose	Measurement of the static-dynamic pressure of liquid and gaseous aggressive and non-aggressive
Estimated production / delivery time	6 months
Flight qualification of the product	Yes
Possibility to adapt the product to customer requirements	Yes
Range of measurements	0-1; 0-1,4; 0-2; 0-2,8; 0-4; 0-5,6; 0-8; 0-11; 0-16; 0-22; 0-30; 0-40; 0-60 Mpa

price on request



GLAVKOSMOS

Equipment for determining the center-of-mass position and inertia characteristics of nanosatellites

Ground-based measurement equipment for determining the center-of-mass position and axial moments of inertia of nanosatellites up to 10 kg.

Inaccuracy of the center-of-mass position determining	not more than 1 mm
Accuracy of axial moments of inertia determination	not less than 1.5%
Year of release	2017
Guaranteed service life (years)	3 years
Estimated production / delivery time (months)	12

price on request



GLAVKOSMOS

Force Sensor Vt 114

The Force Sensor Vt 114 is a strain gage sensor designed for measuring compressive, tensile, and alternating forces in structures of space rocket and aviation equipment. It works i

Estimated production / delivery time	6 months
Flight qualification of the product	Yes
Range of measurements	±130 kN
The basic error, %, not more	1
Rated output signal	1,5+0,22-0,15 mV / V

price on request



GLAVKOSMOS

Ground Antenna System 11 / 4-2.5

The Ground Antenna System 11 / 4-2.5 is a dual-band Cassegrain mirror antenna designed for satellite earth stations to receive signals in the C- or Ku-bands.

Purpose	Designed to operate as part of satellite earth stations to receive signals in the C- or Ku
Year of release	2011
Guaranteed service life (years)	15 years
Estimated production / delivery time (months)	9
Possibility to adapt the product to customer requirements	Yes

price on request



GLAVKOSMOS

Ground Antenna System 2

The Ground Antenna System 2 is a transmitting two-mirror Cassegrain antenna system designed for X-band satellite communications earth stations, featuring a 2.5m reflector and elect

Purpose	Designed to work as part of satellite communications earth stations for transmitting X-ban
Year of release	2011
Guaranteed service life (years)	15 years
Estimated production / delivery time (months)	9
Possibility to adapt the product to customer requirements	Yes
price on request	



GLAVKOSMOS

Ground Antenna System L/S/C/X/Ku/Ka -bands AFS-12

The AFS-12 is a 12.0m Cassegrain ground antenna system designed for satellite communications earth stations, capable of receiving signals across L, S, C, X, Ku, and Ka frequency ba

Year of release	2017
Guaranteed service life (years)	15 years
Estimated production / delivery time (months)	18
Possibility to adapt the product to customer requirements	Yes
Reflector diameter	12,0 m
price on request	



GLAVKOSMOS

Ground Antenna System NAS 11-14-2.4

The Ground Antenna System NAS 11-14-2.4 is a Ku-band satellite communication antenna system with a 2.4m reflector, designed for earth stations.

Purpose	Designed for use as part of earth stations in satellite communications Ku-band.
Year of release	2006
Guaranteed service life	15 years
Estimated production / delivery time	9 months
Possibility to adapt the product to customer requirements	Yes
price on request	



GLAVKOSMOS

Ground Antenna System TAS 4 / 6-6.0 m

The Ground Antenna System TAS 4 / 6-6.0 m is a C-band transceiver two-mirror antenna system with a 6.0 m reflector, designed for satellite communications earth stations.

Purpose	Designed for use in satellite communications earth stations for operation in the C-band.
Year of release	2015
Guaranteed service life (years)	15 years
Estimated production / delivery time (months)	12
Possibility to adapt the product to customer requirements	Yes
price on request	



GLAVKOSMOS

Ground Antenna System TAS 4/6-11/14-6.0 m

The Ground Antenna System TAS 4/6-11/14-6.0 m is a Cassegrain-type transceiver two-mirror antenna system designed for satellite communications in C- and Ku-bands.

Year of release	2015
Guaranteed service life	15 years
Estimated production / delivery time	12 months
Possibility to adapt the product to customer requirements	Yes
Reflector diameter	6,0 m

price on request



GLAVKOSMOS

Ground Antenna System US 11 / 14-3.7

The Ground Antenna System US 11 / 14-3.7 is a dual-band Cassegrain mirror antenna system designed for satellite earth stations to receive C- and Ku-band signals.

Purpose	Designed to operate as part of satellite earth stations to receive signals in the C- or Ku
Year of release	2011
Guaranteed service life (years)	15 years
Estimated production / delivery time (months)	9
Possibility to adapt the product to customer requirements	Yes

price on request



GLAVKOSMOS

Ground Station

The Ground Station is a ground control station designed for controlling spacecraft and conducting communication sessions, released in 2018 with a guaranteed service life of 1 year.

Purpose	Used to control spacecraft and perform communication sessions.
Year of release	2018
Guaranteed service life (years)	1 year
Estimated production / delivery time (months)	6
Flight qualification of the product	Yes

price on request



GLAVKOSMOS

High-precision Automated Angle-setting Complex

Flight-qualified angle-setting complex (0–360°, ±0.5° error, 0.013° resolution, auto self-calibration, ≤ 65 kg load) for gyros, accelerometers, and angle sensors in rocket/space sys

Purpose	Quality control and testing of angle sensors, accelerometers, tilt meters, and gyroscopic
Year of release	2008
Flight qualification	Yes
Flight heritage	Fregat upper stage, Proton-M LV, Angara LV quality control
Customization	Can be adapted to customer requirements

price on request



GLAVKOSMOS

High-strength Hydrogen Peroxide Supply System

A ground-based system comprising pipelines, valves, and other equipment for filling and discharging high-strength hydrogen peroxide into launch vehicle first and second stage tanks

Year of release	Manufactured date
	05.12.2008g.
Guaranteed service life	2 years
Estimated production / delivery time	12 months
Flight qualification of the product	No
Brief history of flight qualification	No

price on request



GLAVKOSMOS

Hydrogen Peroxide Tanker

The Hydrogen Peroxide Tanker is a mobile ground support equipment designed for intaking, storing, thermally conditioning, and delivering high-concentrated hydrogen peroxide (HCHP)

Purpose	Tanker is intended for HCHP intaking, storing and thermal conditioning, delivery into the
Year of release	Development start 2002
Guaranteed service life	10 years
Estimated production / delivery time	48/12 months
Flight qualification of the product	No

price on request



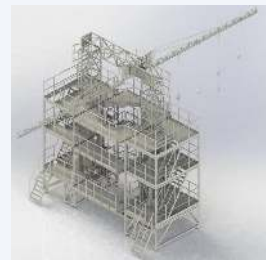
GLAVKOSMOS

Integration Stand 1

The Integration Stand 1 is a mechanical drive stand designed for canting products from a vertical to a horizontal position and providing 360° rotation with high accuracy.

Purpose	Canting from vertical to horizontal position and 360° rotation of the Product.
Year of release	2014
Guaranteed service life (years)	15
Estimated production / delivery time (months)	12
Flight qualification of the product	No

price on request



GLAVKOSMOS

Integration Stand 2

The Integration Stand 2 is a ground support equipment designed for the maintenance, assembly, and testing of space products, including solar panel deployment tests.

Purpose	The Product maintenance circle-wise using the service platforms of the 1st, 2nd, 3rd level
Year of release	2015
Guaranteed service life (years)	15
Estimated production / delivery time (months)	12
Flight qualification of the product	No

price on request



GLAVKOSMOS

IVK-01N Complex

Spacecraft automated electrical test complex (Ethernet/MIL-STD-1553B, 29-ch pulse + 18-ch long-term command outputs, 67-ch on-off monitoring, magnetic field simulation, QNX/Windows)

Purpose	Automated spacecraft technical condition testing and routine maintenance
Year of release	2016
Guaranteed service life, years	10
Estimated production/delivery time	12 months
Customization	Can be adapted to customer requirements

price on request



GLAVKOSMOS

Kerosene Cooling System

The Kerosene Cooling System is designed to cool kerosene propellant in ground-based units, consisting of tanks, pumping equipment, pipelines, valves, and control means.

Purpose	The System is intended for kerosene cooling down in the Units.
Year of release	Development start 2002
Guaranteed service life (years)	2 years
Estimated production / delivery time (months)	48/12
Flight qualification of the product	No

price on request



GLAVKOSMOS

Kerosene Supply System

The Kerosene Supply System is designed for the supply and discharge of rocket fuel to and from the third stage tank of a launch vehicle.

Purpose	The System is intended for rocket fuel supply/ discharge to/ from LV third stage tank.
Year of release	Manufactured date 01.09.2008g.
Guaranteed service life	2 years
Estimated production / delivery time	12 months
Flight qualification of the product	No

price on request



GLAVKOSMOS

Kerosene Supply System 1

The Kerosene Supply System 1 is designed for filling and dumping rocket fuel (kerosene) into the first and second stages of launch vehicles.

Purpose	The System is intended for LV First and Second Stages tanks filling/dumping with rocket fu
Year of release	26.05.2008
Guaranteed service life (years)	2 years
Estimated production / delivery time (months)	12
Flight qualification of the product	No

price on request



GLAVKOSMOS

Launch System

The Launch System (LS) is a metal structure designed for the prelaunch preparation and launch of orbital launch vehicles (ILV), providing support, holdup against wind, and connecti

Purpose	LS is intended for ILV with various Payloads holding up when prelaunch preparation and lau
Year of release	2008
Guaranteed service life (years)	Specified Service Life- 10 years
Estimated production / delivery time (months)	36/5
Flight qualification of the product	No
price on request	



GLAVKOSMOS

Liquid Nitrogen Supply System

The Liquid Nitrogen Supply System is designed for intaking, storing, and delivering liquid nitrogen to launch vehicle tanks.

Purpose	System is intended for Liquid Nitrogen intaking, storing and delivery into LV tanks.
Year of release	Development start 2002
Guaranteed service life (years)	2 years
Estimated production / delivery time (months)	48/12
Flight qualification of the product	No
price on request	



GLAVKOSMOS

Liquid Oxygen Supply System

The Liquid Oxygen Supply System is designed for the intake, storage, and delivery of liquid oxygen into launch vehicle tanks, featuring a storage capacity of 672 tons.

Purpose	System is intended for Liquid Oxygen intaking, storing and delivery into LV tanks.
Year of release	Development start 2002
Guaranteed service life (years)	2 years
Estimated production / delivery time (months)	48/12
Flight qualification of the product	No
price on request	



GLAVKOSMOS

Low Voltage Packaged Devices

Low-voltage packaged electrical devices for receiving and distributing power among consumers, with control and short-circuit/overload protection, used in launch site power infrastr

Purpose	Receiving and distributing electrical power among consumers, electrical equipment control
Year of release	2014
Guaranteed service life (years)	10
Estimated production / delivery time (months)	18
Flight qualification of the product	No
price on request	



GLAVKOSMOS

LV Thermal Conditioning System [high pressure]

The LV Thermal Conditioning System is designed to intake compressed air and nitrogen at high pressures and deliver them with specified parameters. It consists of pneumoboards, a co

Purpose	Intaking of compressed air and nitrogen under pressure of 38...40 Mpa (300...400 kgf/cm2) from
Flight qualification of the product	No
Possibility to adapt the product to customer requirements	Yes
The System consists of	pneumoboards; cooler; heater; supply pipelines; single use pipes set.

price on request



GLAVKOSMOS

LV Thermal Conditioning System [low pressure]

Stationary LV compartment thermal conditioning system (air cleaning/drying/heating) for Soyuz at Kourou, GSC launch complex. Vapor compression refrigerating machine.

Purpose	Air preparation (cleaning, drying, heating) and delivery to LV compartments during prelaun
Development start	2005
Estimated production/delivery time	18 months (new) / 6 months (refurbished)
Flight qualification	No
Customization	No

price on request



GLAVKOSMOS

Magnetic Field Simulator

The Magnetic Field Simulator is a Helmholtz cage system designed to simulate the Earth's magnetic field along a satellite's orbital trajectory for testing purposes.

Purpose	Designed for magnetic field simulation along the orbital trajectory of a satellite.
Year of release	2009
Estimated production / delivery time (months)	5
Flight qualification of the product	No
Possibility to adapt the product to customer requirements	No

price on request



GLAVKOSMOS

Mass-spectrometer Helium Leak Detector Type

A highly sensitive magnetic mass-spectrometer leak detector used to test the leaktightness of systems and facilities by detecting and localising helium tracer gas leaks.

Year of release	2011
Guaranteed service life (years)	10
Estimated production / delivery time (months)	3
Flight qualification of the product	No
Possibility to adapt the product to customer requirements	Yes

price on request



GLAVKOSMOS

Measuring Instrument KS T-406N Tester

The T-406H KC tester is a compact portable device for checking the technical characteristics of signals emitted by radio beacons and verifying the validity of encoded data during s

Purpose	T-406N KS tester is intended to control technical characteristics of the signals emitted b
Year of release	2012
Estimated production / delivery time (months)	6
Flight qualification of the product	No
Possibility to adapt the product to customer requirements	Yes
price on request	



GLAVKOSMOS

Mechanical Unit of Antenna Pointing System. Type 1

A two-degree-of-freedom electromechanical drive that rotates an antenna mounting plane in two mutually perpendicular planes relative to the antenna pointing system's control module

Rotation angle for each axis	$\pm 25^\circ$
Slew rate	0.009-7.0 °/min
Measurement error of the rotation angle for each axis, not exceeding	90 arcsec
Developed torque for each axis, not less than	65 N·m
Load inertia moment, not exceeding	150 kg·m ²
price on request	



GLAVKOSMOS

Mirror-lens Objectives

Large-dimensioned mirror-lens objectives forming a complete set for a ground-based optical-electronic complex (OEC), with clear aperture up to 750 mm and variable focal distance.

Purpose	Complete set of ground-based OEC
Year of release	2013
Guaranteed service life (years)	12
Estimated production / delivery time (months)	24
Flight qualification of the product	No
price on request	



GLAVKOSMOS

Mobile Ground Satellite Communication Station ZSSS-L

The ZSSS-L is a mobile ground satellite communication station designed for Ku-band communication through the Luch MSRS spacecraft, featuring a 2.4m collapsible antenna system.

Purpose	Designed to work in Ku-band trunks used in the Luch MSRS.
Year of release	2014
Guaranteed service life (years)	10 years
Estimated production / delivery time (months)	12
Possibility to adapt the product to customer requirements	Yes
price on request	



GLAVKOSMOS

Mobile Service Tower

The Mobile Service Tower (MST) is a self-propelled, weather-proof structure designed for pre-launch preparation and launch of launch vehicles with automatic satellites and upper stages.

Purpose MST is intended for pre-launch preparation and launch of ILV with the Payloads comprised of

Year of release Development start 2013

Guaranteed service life (years) Specified Service Life- 10 years

Flight qualification of the product No

Brief history of flight qualification No

price on request



GLAVKOSMOS

Nanosatellite Debug Board

A debug board designed to facilitate the testing and debugging of any onboard system or a full nanosatellite, featuring multiple debugger interfaces and onboard system emulation.

Purpose Board designed to allow debugging of any onboard system or full nanosatellite.

Year of release 2016

Guaranteed service life 1 year

Estimated production / delivery time 6 months

Flight qualification of the product No

price on request



GLAVKOSMOS

Nitrogen System for Purge and Fire Protection

A ground support system designed to deliver compressed nitrogen for purging launch vehicle aft compartments and engine combustion chambers, and for fire protection.

Purpose Compressed Nitrogen delivery from Compressed Gases Storage (CGSE) to intermediate socket

Year of release Development start 2002

Flight qualification of the product No

Possibility to adapt the product to customer requirements Yes

Systems includes pneumovalve unit; purge and pressure control board; control pneumoboard; pressure indicator

price on request



GLAVKOSMOS

Noninterrupted Power Supply Equipment Set

A ground infrastructure equipment set that transmits AC power to consumers via a five-wire network with a dead ground neutral, drawing from the noninterrupted and backup power supply.

Purpose Transmission of AC power to consumers via a five-wire network with a dead ground neutral

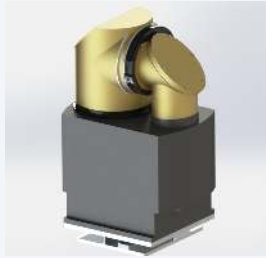
Year of release 2014

Guaranteed service life (years) 10

Estimated production / delivery time (months) 18

Flight qualification of the product No

price on request



GLAVKOSMOS

Optical Telecommunication Terminal

The Optical Telecommunication Terminal is a ground segment solution for establishing high-speed optical communication links with LEO satellites, offering data transfer rates from 0

Guaranteed service life	25 years
Estimated production / delivery time	12 months
Flight qualification of the product	No
Possibility to adapt the product to customer requirements	Yes
Communication range, km (including atmospheric section)	not less than 3000

price on request



GLAVKOSMOS

Optoelectronic system of detection and measurement of space debris motion

The Optoelectronic System of Detection and Measurement of Space Debris Motion (OES DSD) is a ground-based system designed for autonomous search and detection of space objects and d

Purpose	Operation with the composition of ground-based means of the automated warning system for d
Year of release	2015
Guaranteed service life (years)	5 years (5,000 hours)
Estimated production / delivery time (months)	24
Orbits	Low, geostationary, circular half-day and highly elliptical

price on request



GLAVKOSMOS

Piezoelectric Pressure Pulsation Sensor LH 604

The LH 604 is a piezoelectric sensor designed to measure pressure pulsations in liquid and gaseous media within rocket and space technology power plants, working with a charge or v

Estimated production / delivery time	6 months
Flight qualification of the product	Yes
Range of measurements of pressure pulsations	0,05-5,0 Mpa
The range of exposure to static pressures	3,0-60 Mpa
Conversion coefficient	$(40 \pm 25) \cdot 10^{-5}$ mV / Pa

price on request



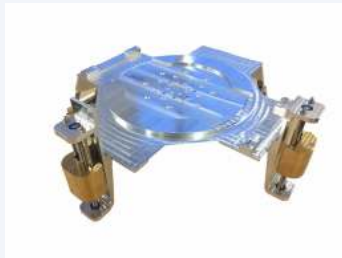
GLAVKOSMOS

Piezoelectric Pressure Pulsation Sensor LH 608

The LH 608 is a piezoelectric pressure pulsation sensor designed for measuring pressure pulsations in liquid and gaseous media in rocket and space technology power plants, working

Range of measurements of pressure pulsations, Mpa	0,05-5,0
The range of exposure to static pressures, Mpa	3,0-60
Conversion coefficient, mV / Pa	$(40 \pm 25) \cdot 10^{-5}$
Error, %	± 10
Weight, kg	0.19

price on request



GLAVKOSMOS

Platform for Installation of Cubesat 3U satellite

A ground test platform designed to hold and balance a 3U CubeSat with ADCS for testing on an air-bearing test bench.

Purpose	Designed for CubeSat 3U satellite with ADCS installation to test on air-bearing
Year of release	2014
Estimated production / delivery time (months)	5
Flight qualification of the product	No
Possibility to adapt the product to customer requirements	No

price on request



GLAVKOSMOS

Platform for Installation of Tabletsat Devices

A ground test platform for mounting "TabletSat" small-satellite devices to test them on an air-bearing test bench.

Purpose	Designed for "TabletSat" satellite devices installation to test on air-bearing
Year of release	2009
Estimated production / delivery time (months)	5
Flight qualification of the product	No
Possibility to adapt the product to customer requirements	No

price on request



GLAVKOSMOS

Platform for Installation of the Satellite Tabletsat

A ground test platform designed for installing the TabletSat satellite for testing on an air-bearing test bench.

Purpose	Designed for "TabletSat" satellite installation to test on air-bearing
Year of release	2013
Estimated production / delivery time (months)	5
Flight qualification of the product	No
Possibility to adapt the product to customer requirements	No

price on request



GLAVKOSMOS

PORTABLE RECEIVER-INDICATOR GN

The 14I820 navigation receiver is a portable device designed for in-field coordinate-time tasks, utilizing GLONASS and GPS space navigation systems.

Purpose	The navigation receiver 14Ts820 is intended for the provision of solving the special-purpo
Year of release	2001
Estimated production / delivery time	8 months
Flight qualification of the product	No
Possibility to adapt the product to customer requirements	No

price on request



GLAVKOSMOS

Power Module of the Mobile Temperature Control Unit

This power module provides electric power to a mobile temperature control unit, designed for use during the transportation of sensitive products, likely space hardware.

Purpose Supply of electric power to the mobile temperature control unit during transportation of t

Year of release	2014
Guaranteed service life (years)	10
Estimated production / delivery time (months)	18
Flight qualification of the product	No

price on request



GLAVKOSMOS

Primary Linear Displacement Transducer Vt 718

The VT-718 is a primary linear displacement transducer designed for measuring linear displacements of objects in rocket and space technology control systems, featuring high reliability

Purpose Measurement of linear displacements of objects in rocket and space technology product cont

Estimated production / delivery time	6 months
Flight qualification of the product	Yes
Possibility to adapt the product to customer requirements	Yes
Range of measurements	0-16; 0-22; 0-30; 0-45; 0-60; 0-90; 0-125; 0-180; 0-250; 0-350; 0-500; 0-700; 0-750 mm

price on request

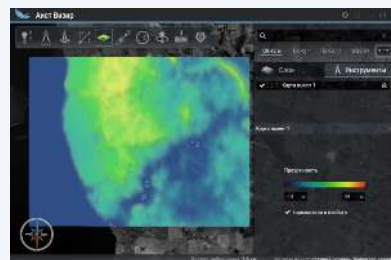
GLAVKOSMOS

Program Complex for Processing, Monitoring and Visualization of Geospatial Data

This software complex processes, monitors, and visualizes geospatial data, converting standard raster formats into a unified tile format for efficient storage and presentation.

Year of release	2019
Guaranteed service life	3 years
Estimated production / delivery time	From 1 months depending on adaptation requirements
Flight qualification of the product	No
Possibility to adapt the product to customer requirements	Yes

price on request



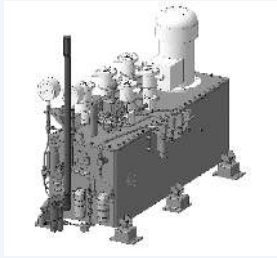
GLAVKOSMOS

Program Complex for Visualization of Geospatial Data

A software program complex for operational visualization of various geospatial information in planned and 3D modes, capable of offline operation and performing basic computing task

Year of release	2017
Guaranteed service life	3 years
Estimated production / delivery time	From 1 months depending on adaptation requirements
Flight qualification of the product	No
Possibility to adapt the product to customer requirements	Yes

price on request



GLAVKOSMOS

Pumping Station

An explosion-proof pumping station with a submersible pump that supplies hydraulic fluid (oil) at specified pressure, filtration, and flow rate to closed-loop hydraulic systems use

Working fluid	Oil MGE-10A TU 38.401-58-337-2003 Purity class not lower than 10 by GOST 17126-71
Ambient temperature	+5 to +35°C
Nominal pressure	50 to 400 (kgf/cm ²)
Pump power consumption at 1000 rpm of electric motor shaft	Up to 35.5 kW
Tank capacity	More than 15 l

price on request



GLAVKOSMOS

S-band Part-turn Antenna System

The S-band Part-turn Antenna System is a ground-based antenna designed for receiving S-band signals from geostationary satellites.

Purpose	Designed for receiving signals in the S-band from satellite repeaters located on the GS0.
Year of release	2015
Guaranteed service life (years)	10 years
Estimated production / delivery time (months)	9
Possibility to adapt the product to customer requirements	Yes

price on request



GLAVKOSMOS

Satellite Data Receiving Training Station

A training complex for receiving radiosignals from spacecraft, based on software-defined radio technology and including two fixed antennas.

Purpose	Radiosignals receiving for analysis and use in project activity.
Year of release	2014
Guaranteed service life (years)	1
Estimated production / delivery time (months)	1
Flight qualification of the product	Net

price on request



GLAVKOSMOS

Sensor of Rapidly Varying Pressure 612M

The 612M is a flight-qualified, high-temperature piezoelectric sensor designed for measuring rapidly varying pressures in liquid and gaseous aggressive and non-aggressive media wit

Estimated production / delivery time	6 months
Flight qualification of the product	Yes
Range of measurements of rapidly varying pressures	0,045-5,6 Mpa
Range of influence of slowly varying pressures	2,8-63 Mpa
Sensitivity, not less	16·10 ⁻⁵ mV / Pa

price on request



GLAVKOSMOS

Set of Fixing Devices of Nanosatellite

A set of fixing devices designed to secure a nanosatellite on the desktop of equipment used for measuring its center-of-mass position and inertia characteristics.

Purpose **Designed for fixing of the nanosatellite at the desktop of the equipment for measurement t**

Flight qualification of the product **No**

Possibility to adapt the product to customer requirements **Yes**

price on request



GLAVKOSMOS

Signaling Device

The Signaling Device (FAM) monitors the maximum permissible concentration of oil in high-pressure air at the outlet of compressor stations, ensuring air quality for critical applic

Year of release **2006**

Guaranteed service life **15 years**

Estimated production / delivery time **9 months**

Flight qualification of the product **Net**

Possibility to adapt the product to customer requirements **Da**

price on request



GLAVKOSMOS

Small-size Gyromagnetic Inclinometer

Precise and reliable gyroscopic device for measuring the angular coordinates of boreholes, including horizontal drilling, on the basis of fiber-optic gyroscopes and micromechanical

Maximum operating temperature **120°C**

Protective hood diameter **36 mm**

Maximum working pressure **60MPa.**

Continuous operation time **8 h**

price on request



GLAVKOSMOS

Solar Panel Check Stand

The Solar Panel Check Stand is a ground support equipment designed for weight relief and opening-out testing of small-size solar panels for space applications.

Purpose **Provides weight relief and opening-out testing of small-size Product solar panels.**

Year of release **2014**

Guaranteed service life **15 years**

Estimated production / delivery time **9 months**

Flight qualification of the product **No**

price on request



GLAVKOSMOS

Solar Weightless System

An automated ground-based system that simulates weightlessness for testing large-sized spacecraft elements such as solar panels.

Purpose	Designed for ground testing (weightlessness) of spacecraft equipment, solar panels
Year of release	2016
Guaranteed service life (years)	10
Estimated production / delivery time (months)	12
Possibility to adapt the product to customer requirements	Yes

price on request



GLAVKOSMOS

Special Transportation Vehicle with a Container

A special-purpose ground transportation vehicle with variable geometry, designed to carry launch vehicle parts and other heavy-weight loads.

Purpose	Transportation of LV parts and other heavy-weight loads
Year of release	2014
Guaranteed service life (years)	15
Estimated production / delivery time (months)	18
Flight qualification of the product	No

price on request



GLAVKOSMOS

Starry Sky Simulator

A ground-based test device that displays simulated star field imagery on a screen to test star trackers alongside other ADCS components.

Purpose	Designed for star trackers testing together with other ADCS components
Year of release	2017
Estimated production / delivery time (months)	9
Flight qualification of the product	No
Possibility to adapt the product to customer requirements	No

price on request



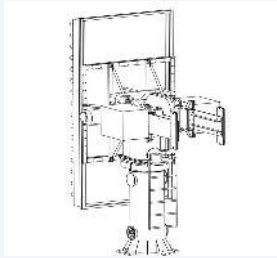
GLAVKOSMOS

Sun Simulator (halogen)

A halogen-lamp based sun simulator designed for ground testing of spacecraft ADCS Sun orientation capability.

Purpose	Designed for testing of ADCS Sun orientation capability
Year of release	2009
Estimated production / delivery time (months)	1
Flight qualification of the product	No
Possibility to adapt the product to customer requirements	No

price on request



GLAVKOSMOS

Support-rotary Device 1

The Support-rotary Device 1 is a full rotary slewing ring with an azimuthal elevation drive system, designed for antenna systems with mirror sizes up to 5 meters in diameter.

Purpose	Designed for use in antenna systems with mirror sizes up to 5 m in diameter.
Year of release	2014
Guaranteed service life	10 years
Estimated production / delivery time	12 months
Possibility to adapt the product to customer requirements	Yes

price on request



GLAVKOSMOS

Support-rotary Device 2

The Support-rotary Device 2 is a three-axis full-swing slewing ring with an azimuthal elevation drive system and an additional tilt axis, designed for antenna systems with a mirror

Purpose	For use in antenna systems with a mirror size of up to 6 m in diameter.
Year of release	2014
Guaranteed service life	10 years
Estimated production / delivery time	12 months
Possibility to adapt the product to customer requirements	Yes

price on request



GLAVKOSMOS

Synthesis System of IR Images

The Synthesis System of IR Images is a test equipment designed to generate dynamic infrared images for evaluating photodetectors, utilizing independent object and background illumin

Purpose	Designed to create dynamic infrared images of arbitrary topology in the plane of the local
Year of release	2018
Guaranteed service life (years)	10
Estimated production / delivery time (months)	12
Flight qualification of the product	No

price on request



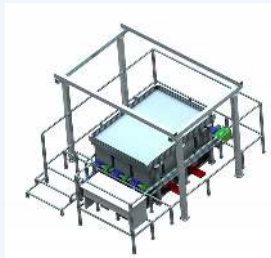
GLAVKOSMOS

Technical Condition Monitoring System

A ground-based monitoring system that provides wide-angle and close-up video surveillance plus sensor-based tracking of oxygen, propellant, temperature and humidity levels during s

Year of release	2014
Guaranteed service life	5 years
Estimated production / delivery time	18 months
Flight qualification of the product	No
Possibility to adapt the product to customer requirements	Yes

price on request



GLAVKOSMOS

Test Bench for Mutual Movement of Spacecraft

An aerodynamic (air-bearing) test table that lets scale mock-ups of spacecraft move freely in the horizontal plane with minimal friction, enabling study of their mutual/relative mo

Dimensions, mm	5000kh6000kh3000
Active area size	1860kh2480
Disk (w/ control system electronics) carrying capacity, kg, up to	10
Gap between disk and table, mm, up to	0.5
Working medium	air

price on request



GLAVKOSMOS

Test Bench For Nanosatellite Attitude Control System

A ground-based magnetic test stand for validating CubeSat attitude determination and control algorithms and for training students.

Purpose	Conducting testing of control algorithms. Training of students and stuff.
Year of release	2017
Guaranteed service life (years)	1 year
Estimated production / delivery time (months)	4
Flight qualification of the product	No

price on request



GLAVKOSMOS

Test Bench to Examine Radio-Technical Performance of Antennas

A six-degree-of-freedom precision positioning mechanism (hexapod) used as a component of a testbed for examining the radio-technical performance of antennas under ground conditions

Purpose	High precision transfer and rotation of the target object in the 3 linear and 3 angle dire
Year of release	2012
Guaranteed service life (years)	10
Estimated production / delivery time (months)	4
Flight qualification of the product	No

price on request



GLAVKOSMOS

Thermoelectric Converter DT 27

The Thermoelectric Converter DT 27 is a flight-qualified sensor designed for temperature measurement of aggressive (liquid oxygen) and non-aggressive liquids and gases in rocket an

Purpose	Temperature measurement of aggressive (liquid oxygen) and non-aggressive liquids and gases
Estimated production / delivery time	6 months
Flight qualification of the product	Yes
Range of measurements	-196/+600 °C
Limits of permissible deviations of TEDS from NSKHK (L), ° S, (for tolerance classes 2, 3 according to GOST R 8.585-2000) in the temperature measurement range: 1. -196 / -100 °C; 2. St. -100 / + 100 °C; 3. -40 / + 360 °C; 4. St. + 360 / + 600 °C	1. $\pm(1,5+0,01 t)$; 2. $\pm 2,5$; 3. $\pm 2,5$; 4. $\pm(0,7+0,005 t)$

price on request



GLAVKOSMOS

Top Cable Mast

The Top Cable Mast (TCM) is a ground support equipment designed to connect and break out electric lines for an Interorbital Launch Vehicle (ILV) instrument bay prior to launch.

Purpose	TCM is intended for electric lines connexion to ILV instrument bay and their breakout prio
Year of release	2008
Guaranteed service life (years)	Specified Service Life- 10 years.
Estimated production / delivery time (months)	24/5
Flight qualification of the product	No
price on request	



GLAVKOSMOS

Transformable Reflectors Weightless System

An automated weightlessness (zero-gravity offloading) suspension system used for ground testing of spacecraft equipment and transformable/deployable reflectors.

Year of release	2016
Guaranteed service life (years)	10
Estimated production / delivery time (months)	12
Possibility to adapt the product to customer requirements	Yes
Number of suspension points weightless elements	36 pcs
price on request	



GLAVKOSMOS

Transport Units for Aggressive Liquids Transportation

A road-transportable unit for hauling aggressive (corrosive) liquids while maintaining required temperature control of the transported product.

Purpose	Transport Unit is intended for transportation of aggressive liquids with maintenance of te
Year of release	2015
Guaranteed service life (years)	3
Estimated production / delivery time (months)	Development 0.5 years; Purchase 2 years; Test 1 year.
Flight qualification of the product	No
price on request	



GLAVKOSMOS

Transportable Ground Station

A transportable Ku-band ground station designed for use with the Luch MSRS, featuring a 7.0m collapsible reflector and a thermal container with guidance and channel-forming equipme

Purpose	Designed to work in Ku-band trunks used in the Luch MSRS.
Year of release	2012
Guaranteed service life	10 years
Estimated production / delivery time	18 months
Possibility to adapt the product to customer requirements	Yes
price on request	



GLAVKOSMOS

Transportable Receiver-Indicator GV

A transportable satellite navigation receiver-indicator (14U821) that determines coordinates and timing using GLONASS/GPS signals, intended for installation in motor vehicles and a

Purpose	Work through space navigation systems (SNS)
Year of release	2014
Estimated production / delivery time (months)	8
Flight qualification of the product	No
Possibility to adapt the product to customer requirements	No

price on request



GLAVKOSMOS

Transportation Vehicle

A road transportation vehicle with a thermostatically controlled container used to move space products safely between facilities.

Purpose	Transportation of the Products by public roads in a thermostatically controlled container.
Year of release	2014
Guaranteed service life (years)	10
Estimated production / delivery time (months)	12
Flight qualification of the product	No

price on request



GLAVKOSMOS

Transporter-Erector

The Transporter-Erector is a ground support equipment designed to transport integrated launch vehicles (ILV) from a technical complex to a launch complex and erect them on the launch

Purpose	The Transporter-Erector is intended for ILV (integrated with automated satellites, unmanne
Year of release	Development start 2014
Guaranteed service life (years)	15 years
Estimated production / delivery time (months)	36/5
Flight qualification of the product	No

price on request



GLAVKOSMOS

Transporter-Erector Automatic Mating Units Set

The Transporter-Erector Automatic Mating Units Set is designed for automatic mating of electric and thermal conditioning system lines on a Transporter-Erector frame with stationary

Year of release	Development start 2015
Guaranteed service life	15 years
Estimated production / delivery time	18/4 months
Flight qualification of the product	No
Brief history of flight qualification	No

price on request



GLAVKOSMOS

Two-channel Weight-measuring Platform Devices

A two-channel platform weighing system used for static weighing of transport and fuelling containers and for measuring liquid fuel and fuel charge quantities.

Purpose **Weighing of transport / fuelling containers in the static weighing mode; weighing of liqui**

Year of release	2015
Guaranteed service life (years)	3
Estimated production / delivery time (months)	8
Flight qualification of the product	No

price on request



GLAVKOSMOS

Umbilical Mast

The Umbilical Mast (UM) is a metal structure designed to connect hydraulic, pneumatic, and electric lines to a 3rd Stage Module and Payload Assembly, and to retract these lines dur

Year of release	2008
Guaranteed service life (years)	10 years
Estimated production / delivery time (months)	24/5
Flight qualification of the product	No
Brief history of flight qualification	No

price on request



GLAVKOSMOS

Uninterrupted and Backup Power Supply System

A ground-based guaranteed backup power supply system providing category A electricity to consumers, combining motor-generators and uninterruptible power supplies with remote monito

Purpose **Supply of category A electricity to consumers**

Year of release	2014
Guaranteed service life (years)	10
Estimated production / delivery time (months)	18
Flight qualification of the product	No

price on request



GLAVKOSMOS

Unit for Temperature Control and Rinsing of the Product's Liquid Fluid Temperature Control system

This unit supplies a product's liquid fluid temperature control system circuit with fluid of a necessary condition and provides subsequent total removal of the fluid from the produ

Year of release	2014
Guaranteed service life (years)	10
Estimated production / delivery time (months)	20
Flight qualification of the product	No
Possibility to adapt the product to customer requirements	Yes

price on request



GLAVKOSMOS

Weight-measuring Device UVR-200

UVR-200 is a weight-measuring device used to weigh transport and fuelling containers and liquid rocket fuel charges in static weighing mode.

Year of release	2018
Guaranteed service life (years)	3
Estimated production / delivery time (months)	8
Flight qualification of the product	No
Maximum mass of weighed charge	100 kg

price on request



GLAVKOSMOS

Weight-measuring Platform Devices

Weight-measuring platform devices designed for static weighing of transport fuelling containers and for weighing liquid fuel and fuel charges.

Purpose	Weighing of transport fuelling containers in the static weighing mode; weighing of liquid
Year of release	2015
Guaranteed service life (years)	3
Estimated production / delivery time (months)	8
Flight qualification of the product	No

price on request



GLAVKOSMOS

Weight-measuring Two-channel Device UVDR-1200

A two-channel weighing device (UVDR-1200) for static weighing of transport-fuelling containers and measurement of liquid fuel and fuel charge mass.

Purpose	Weighing of transport-fuelling containers in the static weighing mode; weighing of liquid
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Year of release	2018
Guaranteed service life (years)	3
Estimated production / delivery time (months)	8
Flight qualification of the product	No

price on request

GMV provides solutions, services, and products across multiple sectors, including space, aeronautics, and defense, with a focus on high-tech and adapted client solutions.



GMV
Familia de productos Fleet

The Fleet product family is GMV's end-to-end solution for managing ground and flight segments, capable of simultaneously managing over 700 satellites in orbit.

price on request



GMV
FleetDashboard

FleetDashboard is GMV's operational control panel for situational awareness, designed to monitor and manage complex systems such as satellite constellations.

price on request



GMV
Flyplan

Flyplan is GMV's operations coordinator software for ground segment activities, ensuring consistency and integrity of operations for large satellite fleets.

price on request



GMV
GMV focusSuite — Satellite Mission Control and Ground System Software

GMV is a Spanish privately-held technology company and one of Europe's leading providers of satellite ground system software, navigation technology, and space systems engineer

price on request



GMV

GMV Space Software and Ground Systems

GMV's satellite navigation and ground segment software — GNSS receivers, FocusSuite mission analysis tools, and ground control systems for ESA, ESA's Galileo, and commercial operat

Key Products	FocusSuite (FDS, FOD, PosiTim), GNSS receivers/software, satellite control systems
FocusSuite	Orbit determination, maneuver planning, mission analysis, flight operations
GNSS	Galileo signal processing, GPS receiver algorithms, precision approach landing
ESA Programs	Galileo In-Orbit Validation, multiple science mission ground systems
HQ	Madrid, Spain (global: Portugal, Germany, Poland, Romania, UK, US, India)

price on request



GMV

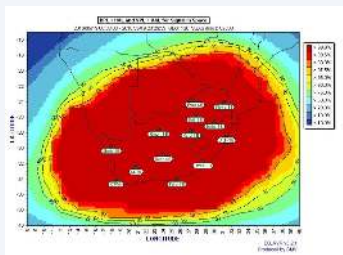
Hifly®

Hifly® is GMV's satellite monitoring and control system, guiding major satellite platforms with extensive operational experience.

Year of Hifly® operations start for Eutelsat's W3A satellite LEOP phase	2004
Approximate number of satellites guided with Hifly®	150
World's leading provider of satellite control centers for telecommunications operators	Nº 1
COMSAT commercial launched in the last ten years with Hifly® support	40 %

price on request

[datasheet](#)



GMV

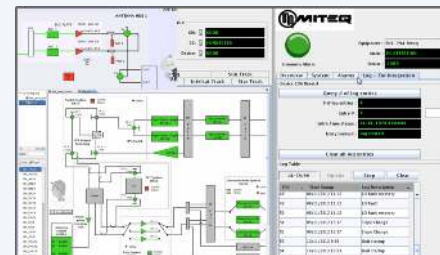
MagicSBAS®

MagicSBAS® is an advanced, multi-constellation, operational testbed for Satellite-Based Augmentation Systems (SBAS) that provides regional differential corrections and non-safety-c

SBAS Standards Compliance (L1 Legacy)	RTCA/D0-229F, ICAO SARP
SBAS Standards Compliance (DFMC)	RTCA, ED-259
Supported GNSS Constellations	GPS, GLONASS, Galileo, BeiDou
Supported Raw Data Formats	NTRIP, RINEX, EDAS, EGNOS
SBAS Augmentation Retransmission	Internet (SISNet or binary format) via compatible GEO satellite provider

price on request

[datasheet](#)



GMV

Magnet

Magnet is a comprehensive and scalable ground station control and monitoring system developed by GMV, operational since 2012.

Operational since	2012
Commercial equipment units supported	144
Continents implemented in	4
Antenna sites monitored/controlled	18
Total antennas controlled/monitored	23

price on request

Goonhilly Earth Station

UNITED KINGDOM · 2 PRODUCTS

Goonhilly Earth Station provides satellite, lunar, and deep space communication services, operating a private deep space network and offering various satellite communication solutions.



GOONHILLY EARTH STATION

Deep Space Ground Station Network Services

Goonhilly Earth Station's deep space capable ground station antennas in Cornwall, UK — providing TT&C, deep space communication, and space domain awareness services for lunar a

Location	Goonhilly, Cornwall, UK (historic satellite comms site)
Antenna	GHY-6 (Merlin) — upgraded for deep space (lunar and beyond)
Services	Deep space TT&C, lunar mission support, SDA observations
Niche	Commercial deep space alternative to DSN (avoids NASA booking bottlenecks)
Missions Supported	ESA SolarOrbiter, CIRCE, commercial lunar landers

price on request



GOONHILLY EARTH STATION

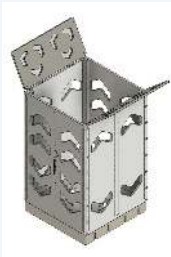
Goonhilly Earth Station Antenna Network (GES)

Goonhilly's historic and modern parabolic dish antenna network in Cornwall, UK, providing deep-space, GEO, MEO, and LEO satellite communications and tracking services from one of t

Location	Goonhilly Downs, Cornwall, United Kingdom
Site opened	1962
Antenna aperture range	~15 to 32 meters
Flagship deep-space antenna	GHY-6, 32-metre dish
Historic milestone	First relay of transatlantic television via Telstar satellite (1962)

price on request

System integrator and manufacturer of CubeSat structures, buses, and MyPOD test/transport pods, with space environment test equipment services.



GRAN SYSTEMS
12U MyPOD2

The 12U MyPOD2 is a versatile tool for CubeSat qualification, testing, fit-checks, storage, and transportation, supporting various CubeSat configurations.

Temperature range	-50°C to +100°C
External Size (L x W x H)	268 x 266 x 442.1 mm
Rail Size (L x W x H)	227 x 227 mm
CubeSat Size (L x W x H)	226.3 x 226.3 x 366.0 mm
Empty Mass	15 kg

price on request



GRAN SYSTEMS
3U MyPOD1

A 3U CubeSat test pod used for qualification, acceptance testing, dimensional fit-check, storage, and transportation of 1U to 3U CubeSats.

Temperature range	-50°C to +100°C
External Size (L x W x H)	144 x 148.1 x 470 mm
Rail Size (L x W x H)	100.8 x 100.8 mm
CubeSat Size (L x W x H)	100 x 100 x 340.5 mm
Empty Mass	7.9 kg

price on request



GRAN SYSTEMS
3U MyPOD2

The 3U MyPOD2 is a versatile tool for qualification, acceptance testing, dimensional fit-check, and storage and transportation of CubeSats, supporting various 1U, 1.5U, 2U, and 3U

Temperature range	-50°C to +100°C
External Size (L x W x H)	137 x 137 x 415 mm
Rail Size (L x W x H)	100.8 x 100.8 mm
CubeSat Size (L x W x H)	100 x 100 x 340.5 mm
Empty Mass	4.8 kg

price on request

Pioneer in next-generation SATCOM user terminals powered by Reconfigurable Intelligent Surface (RIS) technology, enabling lightweight, energy-efficient, electronically steerable antennas for multi-orbit satellite communications.

GREENERWAVE

Ka user terminal

A high-performance, low-cost flat panel antenna terminal operating at Ka-band, currently under development to enable satellite-based broadband communications.

Status

In development

Funding

European Union's HORIZON EIC 2023 Accelerator programme under grant agreement No 190156996

price on request



GREENERWAVE

Ku GEO

The Ku GEO user terminal is an electronically steerable, energy-efficient, and SWaP-optimized device for next-generation satellite communications, specifically tailored for Geostat

Dimensions

~ 54 cm x 63 cm x 11 cm

Weight

~ 14 kg

Power Consumption

< 80 W Typical (Including BUC)

Operating Temperature

-40°C to +55°C

Storage Temperature

-40°C to +85°C

price on request



GREENERWAVE

Ku GEO/LEO 9 dB/K

Greenerwave's Ku GEO/LEO 9 dB/K is a state-of-the-art, energy-efficient, and electronically steerable antenna user terminal for high-performance connectivity with both Geostationar

Dimensions

~ 54 cm x 63 cm x 11 cm

Weight

~ 14 kg

Operating Power Consumption

< 90 W Typical (Including SSPA and GEO Modem)

Operating Temperature

-40°C to +55°C

Storage Temperature

-40°C to +85°C

price on request



GREENERWAVE

Ku LEO User Terminal

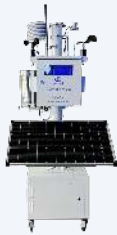
Greenerwave's Ku LEO User Terminal is a lightweight, energy-efficient, electronically steerable antenna designed for modern satellite communications with LEO satellites.

price on request

Ground Segment · NewSpace Market · newspacemarket.com

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Guodian Gaoke designs, develops, and operates the Tianqi Constellation, China's first low-Earth orbit satellite IoT network, providing global communication services for various industries and consumer



GUODIAN GAOKE (TIANQI SATELLITE)
Tianqi Automatic Weather Monitoring Station

Solar-powered 7-parameter weather station with Tianqi satellite+4G dual-mode comms — no cellular needed.

PM2.5 range	0~1000 µg/m³, resolution 0.1 µg/m³, accuracy ±15%
PM10 range	0~2000 µg/m³
Wind direction	0~360°, resolution ±1°
Wind speed	0~70 m/s, resolution ±0.1 m/s
Temperature	-40~+60°C, accuracy ±0.5°C

price on request

Haige Communications

Chinese communications enterprise founded 1956 in Guangzhou, publicly traded since 2010, making BeiDou navigation terminals, satellite communication systems, and defense communication equipment.



HAIGE COMMUNICATIONS
Marine Satellite Communication Terminals

Haige Communications' marine and vehicle-mounted satellite communication terminals — providing Chinese military and commercial vessels with VSAT, Beidou, and Inmarsat connectivity.

Products	Marine VSAT antennas, BeiDou message terminals, vehicle SATCOM
Frequency Bands	C-band, Ku-band, Ka-band GEO; BeiDou short message
Marine Coverage	Inmarsat Fleet Broadband + BeiDou-3 global service
Customers	Chinese navy/coastguard, commercial maritime, transportation

HQ
Guangzhou, China (Shenzhen
Stock Exchange listed, 8,000+
employees)

price on request

Hancom InSpace

SOUTH KOREA · 3 PRODUCTS

Korean aerospace tech company providing satellite ground station systems and satellite image analysis services.



HANCOM INSPACE

Image all-in-one service

InSpace Co., Ltd. provides an 'Image all-in-one service' for the aerospace industry, covering video data collection, management, analysis, and sales.

Form factor 6U CubeSat (200x100x300 mm)

Weight 10.8 kg

Orbit altitude 500 km

Swath 20 km

Resolution (GSD) 5 m

price on request [datasheet](#)

HANCOM INSPACE

InSpace Satellite Ground Station System and Satellite Image Analysis Service

InSpace offers satellite ground station systems and satellite image analysis services, including a 3D satellite information display platform and space environment analysis.

price on request

HANCOM INSPACE

InStation Platform

The InStation Platform is a high-quality ground station platform that provides real-time data processing, GEOINT algorithms, image analysis, statistics, and a dashboard operating e

price on request [datasheet](#)

Hanwha Phasor

UNITED KINGDOM · 1 PRODUCT

UK flat panel phased array satellite antenna company (Hanwha Systems subsidiary); electronically steerable antennas for aviation IFC, maritime VSAT, and land mobile satellite services.



HANWHA PHASOR

Electronically-Steered Flat Panel SATCOM Antenna

Hanwha Phasor's flat panel electronically-steered antenna (ESA) for satellite communications — enabling low-profile, high-throughput connectivity for

mobility applications without

Technology	Electronically-steered flat panel antenna (ESA), no moving parts
Thickness	10–30 mm (low-profile, flush-mount capable)
Beam Switching	Milliseconds (vs. seconds for mechanical gimbals)
Multi-orbit	Can switch between GEO/MEO/LEO satellites dynamically
Markets	Aviation, maritime, land mobility satellite communications

price on request

Hensoldt

GERMANY · 1 PRODUCT

German defence and security technology company providing radar, optronics, and sensor systems across land, air, sea, cyber, and space domains.



HENSOLDT
Space Situational Awareness Sensors

Hensoldt's ground-based phased array radars and optical sensors for space situational awareness — tracking satellites and space debris in LEO and GEO.

TIRA Radar	34 m L-band phased array, ISAR imaging, Wachtberg, Germany
ISAR Resolution	Centimeter-class satellite imaging from ground
MSSS Sensor	E0 telescope for GEO debris 10 cm–1 m size range
Programs	ESA SSA program, German GSSAC
HQ	Taufkirchen, Germany (Frankfurt Stock Exchange listed)

price on request

India-based space EdTech platform offering CubeSat and CanSat educational kits, high-altitude balloon hardware, and online space science courses for students worldwide.



HEX-STAR UNIVERSE

CanSat Kit

All-in-one CanSat educational kit simulating a real satellite mission with LoRa telemetry and live web dashboard.

Sensors

Temperature, humidity, barometric pressure, altitude, GPS, acceleration, gyroscope

Communication

LoRa 433 MHz module, long-range

Dashboard

Web-based live UI: GPS position, altitude, pressure, acceleration, orientation

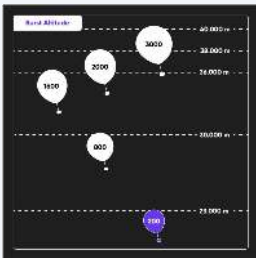
Payload Capacity

Up to 1 kg

Compatibility

Parachute-compatible for recovery

price on request



HEX-STAR UNIVERSE

High Altitude Balloon 300g

Weather balloon reaching ~24,000 m altitude for radiosondes and light scientific payloads.

Mass

300 g

Max Altitude

~24,000 m

Suitable Payloads

Radiosondes, light instruments, amateur radio

Not Recommended For

Heavy camera payloads

price on request



HEX-STAR UNIVERSE

CubeSat Kit GEN1

Educational 1U CubeSat build kit with 20+ sensors, 433 MHz RF comms, GPS, and live AI-powered web dashboard.

Dimensions

10 × 10 × 10 cm (1U)

Weight

300 g

Sensors

20+ types: humidity, temperature, barometric pressure, altitude, gyroscope, accelerometer,

Communication

433 MHz RF module

Range

100 m – 1 km

price on request

Indian small satellite manufacturer offering flight-proven platforms, subsystems, and mission-as-a-service solutions.



HEX20

FlatSat Ground Test Rig

Ground-based hardware-in-the-loop test rig for validating satellite payloads and subsystems before flight — 6 PC-104 slots, ground-station simulator included.

PC-104 slots	6 (CDH, EPS, COMMs, Interface Card, 2 spares)
Bus-probing connectors	2
Antenna pass-throughs	2x SMA-SMA with 30dB attenuator (VHF/UHF)
Battery boards	1 (4x battery holder), extendable to 2

price on request

Hiber

NETHERLANDS · 2016 · 1 PRODUCT

Amsterdam-based remote IoT monitoring company — HiberHilo® end-to-end platform delivers satellite-connected well pad monitoring for upstream oil & gas operations in remote locations globally.



HIBER

HiberHilo® Wireless Well Pad Monitoring Platform

End-to-end remote IoT monitoring system for upstream oil & gas — rugged sensors, satellite+cellular connectivity, cloud dashboard, lifetime warranty. Shell global framework agr

Connectivity	Satellite + LAN + cellular (multi-mode)
Monitored parameters	Pressure, temperature, flow, vibration, valve status
Installation	DIY, hours, no special tools
Hardware warranty	Lifetime
Certification	SOC 2 (2023, renewed 2025)

price on request

hiSky

ISRAEL · 2015 · 1 PRODUCT

hiSky develops the SmartLITE phased-array satellite communication system — compact, high-throughput terminals and network management software for

on-the-move connectivity across air, land, sea, and defence applications.



HISKY
SmartLITE System

The SmartLITE System is an end-to-end satellite communication solution designed for on-the-move applications across air, land, and sea, offering secure and private network capabili

[price on request](#) [datasheet](#)

Hokkaido Spaceport (SPACE COTAN)

JAPAN · 2021 · 3 PRODUCTS

SPACE COTAN Co., Ltd. is a Japanese company developing and operating the Hokkaido Spaceport at Taiki-cho (Taiki Town) in Hokkaido, Japan's northernmost main island, as a commercial launch site for small orbital rockets and sounding rockets.



HOKKAIDO SPACEPORT (SPACE COTAN)
Aerospace Experiment & Research Support Services

Multi-discipline aerospace research and experimentation platform at Hokkaido Spaceport supporting suborbital rockets, high-altitude balloons, drones, eVTOL, and university research

Location	Taiki-cho, Hiroo-gun, Hokkaido, Japan
Disciplines supported	Suborbital rockets, high-altitude balloons, UAV/drones, eVTOL, small aircraft, rocket engi
Balloon operations since	2008
Suborbital launch heritage	MOMO (7+ flights), CAMUI hybrids, student hybrid rockets
Known users	JAXA, Interstellar Technologies, Kawasaki Heavy Industries, Mitsubishi Heavy Industries, S

[price on request](#)



HOKKAIDO SPACEPORT (SPACE COTAN)
Engine Firing Test Facility — Rocket Propulsion Testing

Dedicated rocket engine firing test facility at Launch Complex 0 in Taiki, Hokkaido, supporting propulsion development and qualification for orbital and suborbital launch vehicles.

Location	Launch Complex 0 (LC0), Bisei, Taiki-cho, Hiroo-gun, Hokkaido, Japan
Facility type	Static fire / rocket engine firing test
Propellants available	LNG (CH4), LOX, GHe, LN2, GN2, GOX, Water, Electrical Power
Known users	Interstellar Technologies Inc., Innovative Space Carrier Inc.
Applications	Engine development, qualification, hot-fire testing for orbital and suborbital vehicles

[price on request](#)



HOKKAIDO SPACEPORT (SPACE COTAN)

Runway & Hangars — Horizontal Launch & Aerial Test Facility

1,300-meter paved runway with two equipped hangars in Taiki, Hokkaido, supporting spaceplane operations, UAV/drone testing, eVTOL trials, and small aircraft operations.

Runway dimensions	1,300 × 30 m (asphalt paved)
Orientation	82°14'42" / 262°14'42"
Design classification	LA-4
Design repetitions	3,000
Subgrade CBR	7%

price on request

Hughes Network Systems

UNITED STATES · 1971 · 1 PRODUCT

Hughes Network Systems provides satellite internet services, network management, and connectivity solutions for consumers, businesses, enterprises, and government agencies, with over 50 years of exper



HUGHES NETWORK SYSTEMS

JUPITER™ System for Cellular Satellite Backhaul

The JUPITER™ System is a high-performance satellite networking solution designed to provide cellular backhaul for Mobile Network Operators (MNOs), enabling them to expand services

Throughput per terminal	200 Mbps+
Satellite bandwidth savings	up to 60%
Latency	600 millisecond
Jitter	10-millisecond

price on request [datasheet](#)

Hypernova Space Technologies

SOUTH AFRICA · 2018 · 1 PRODUCT

South Africa-based space hardware company developing the Lumen thermal vacuum testing system and providing TVAC test services for the aerospace industry.

HYPERNOVA SPACE TECHNOLOGIES

Lumen Thermal Vacuum (TVAC) Test System

Space-environment qualification TVAC testing service from Cape Town — high vacuum + thermal cycling for small satellite components and subsystems, operated by Hypernova Space Techn

Facility location	Cape Town, South Africa
Service type	Thermal vacuum testing as a service
Test environment	High vacuum + thermal cycling
Target hardware	Small satellite components, subsystems, CubeSat-class assemblies
In-house heritage	Qualified Hypernova vacuum arc thruster hardware (Transporter-6, Jan 2023)

price on request

IABG

GERMANY · 1961 · 1 PRODUCT

German technology company providing testing, simulation, and engineering services for aerospace, defense, and space systems.



IABG
IABG Space Systems Testing and Qualification Services

Europe's foremost independent space test centre — thermal-vacuum, vibration, acoustic, EMC, optical, and structural qualification for satellites and spacecraft, operating at IABG O

Thermal vacuum chamber (Phenix, ESTEC/ETS)	4 m diameter × 10 m length, <10 ⁻⁵ mbar
Acoustic test facility max SPL	156 dB
Vibration table mass capacity (Hydra, ESTEC)	20 tonnes
Vibration actuators (Hydra)	8 × 680 kN hydraulic, 6 DOF
Test types	Thermal-vacuum, solar simulation, vibration, shock, acoustic, EMC, modal analysis, optical

price on request

Indra Space is the space division of Indra Group — a European prime contractor with 40+ years delivering end-to-end space solutions across Earth observation, satellite navigation, telecommunications, space surveillance, and exploration for



INDRA SISTEMAS
GNSS systems

Indra Space develops secure and resilient Global Navigation Satellite Systems (GNSS) infrastructures, including ground segments for Galileo and EGNOS, to ensure Europe’s positionin

Years of experience in European satellite navigation	25+
Experts in secure GNSS infrastructures	70+
Stations worldwide for Galileo monitoring	100+
Automation in secure PRS platforms	80+

price on request



INDRA SISTEMAS
Ground segment

Indra Space provides comprehensive ground segment solutions for Earth Observation missions, encompassing ground stations, TT&C systems, control and data processing centers, and

price on request



INDRA SISTEMAS
SSA Systems

Indra Space's SSA Systems provide comprehensive Space Surveillance & Tracking (SST) and Space Domain Awareness (SDA) capabilities through a network of optical observatories, mo

Optical data accuracy	better than one arcsecond
Radar system capacity	up to 20,000 trajectories per night
S3TSR antenna type	13.2-metre Cassegrain
S3TSR operating band	C-band (4–8 GHz)
S3TSR tracking capability (object size)	larger than 10 cm

price on request

Infostellar operates StellarStation, a cloud-based Ground-Segment-as-a-Service (GSaaS) platform that virtualizes a worldwide network of satellite ground

stations for LEO operators.



INFOSTELLAR

Ground Segment Technical & Hosting Services

Turnkey ground segment implementation, antenna hosting and site infrastructure-as-a-service for satellite operators, delivered by Infostellar's in-house engineering team.

Service type	Turnkey technical implementation + antenna hosting (IaaS)
Scope	Site acquisition, antenna installation, civil/electrical engineering, maintenance
Example hosted customer	Viasat Real-Time Earth – 7.3 m Ka-band antenna at Taiki, Hokkaido

price on request



INFOSTELLAR

Ground Station Network Service

Access to Infostellar's global 'network of networks' of independently owned ground stations, aggregated via the StellarStation platform to support any LEO mission size.

Service model	Ground station network aggregation ("network of networks")
Frequency bands	S-band, X-band, Ka-band
Coverage	Global network of partner and owned ground stations, including Taiki, Hokkaido (Japan)
Target orbit	LEO – supports missions from single satellites to large constellations

price on request

Innovative Space Logistics

NETHERLANDS · 2006 · 1 PRODUCT

ISISPACE provides launch services, manufactures CubeSat deployers and other launch equipment, and acts as a satellite systems integrator for small satellites.



INNOVATIVE SPACE LOGISTICS

TestPod

The TestPod from ISISPACE is a versatile Launch Equipment solution designed as a test adapter for satellite vibration testing and safe transportation.

price on request

US lunar lander startup offering end-to-end surface delivery with 20+ kg payload; backed by Y Combinator, a16z, and Nvidia.



INSTINCT SPACE

Space Traffic Management AI Platform

Instinct Space's AI-powered space traffic management and autonomous collision avoidance decision platform for constellation operators.

Product	AI decision platform for autonomous collision avoidance
Problem	1,000-satellite constellation generates 10,000+ conjunctions/day – humans can't review all
AI	ML trained on operator decisions + orbital mechanics to automate decisions
Integrations	LeoLabs, ExoAnalytic, SpaceTrack SSA data feeds
Output	Maneuver recommendations to satellite command queues (automated execution)

price on request

Intellian Technologies

Intellian Technologies is the world's leading provider of stabilized satellite antenna systems and terminals, delivering reliable connectivity across maritime, land, and government markets spanning VSAT, satellite TV, L-band, and multi-orbi



INTELLIAN TECHNOLOGIES

Flat Panel Series Land

The Intellian Flat Panel Series Land is a suite of Enterprise and Compact user terminals designed for Eutelsat's OneWeb LEO network, offering low-profile, high-performance connecti

price on request



INTELLIAN TECHNOLOGIES

Flat Panel Series Maritime

The Intellian Flat Panel Series Maritime offers high-performance, low-profile LEO connectivity user terminals for maritime and government markets, designed exclusively for Eutelsat

Product range	Flat Panel Series Maritime
Compact Flat Panel for maritime	OW10HM
Enterprise Flat Panel for maritime	OW11FM

Satellite Network	Eutelsat's OneWeb LEO network
Handovers	Ultra-fast, sub 350 micro-second
price on request	



INTELLIAN TECHNOLOGIES

Intellian MIL-SPEC VSAT

Intellian MIL-SPEC series provides reliable and secure satellite connectivity solutions for mission-critical military operations, offering compact, high-performance antennas across

Military Certification	Mil-Std 167-A (shock and vibration), Mil-Std 461-F (radiated emissions)
SATCOM Terminals Standard	MIL-STD-188-167
Electromagnetic Interference Standard	MIL-STD-461
Electromagnetic Compatibility Standard	MIL-STD-464
Shock and Vibe Standard	MIL-STD-810

price on request



C200L

INTELLIAN TECHNOLOGIES

Iridium Certus Land C200L

The Intellian C200L is a fixed satellite communication terminal designed for land-based applications, utilizing the Iridium Certus L-band network for global voice and data connecti

Network	Iridium LEO L-band network of 66 satellites
Coverage	Pole to Pole
Orbit	Low-Earth Orbit
Connectivity	Low latency, high speed and always-on
Voice lines	3 HD Quality

price on request



C700
WINTERIZED VERSION

INTELLIAN TECHNOLOGIES

Iridium Certus Maritime Terminals (C200M, C700, C700 Winterized)

Intellian Iridium Certus Maritime Terminals (C200M, C700, C700 Winterized) provide robust and reliable global voice and data communication via the Iridium LEO satellite network for

C700 Uplink Speed	352 Kbps
C700 Downlink Speed	704 Kbps
C700 Antenna Design	12-patch phased array
C700 Voice Lines	3 high-quality, low-latency
C700 Maintenance	No scheduled maintenance

price on request



INTELLIAN TECHNOLOGIES

Parabolic Series Maritime

The Intellian Parabolic Series Maritime is a suite of dual parabolic user terminals designed for maritime applications, providing high-bandwidth, low-latency connectivity to Eutels

Operating Temperature	-40 degrees Celsius (low-temperature performance)
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price on request

US lunar lander company that became the first private company to land on the Moon (IM-1 Nova-C, Feb 2024), under NASA's CLPS lunar delivery program.



INTUITIVE MACHINES
Lunar Ground Segment

Lanteris/Intuitive Machines operates a global network of ground stations providing continuous line-of-sight communications with the Moon. Long-term agreements with strategically lo

price on request

IQ Spacecom

1999 · 1 PRODUCT

IQ Spacecom designs and manufactures high-performance radio communication solutions, including SDR transceivers, antennas, and space switches, for small satellites and ground equipment.



IQ SPACECOM
S-Band Receiver for HISPICO (Ground Station)

A dedicated S-band ground station receiver that receives, down-converts, demodulates and decodes downlink data from the HISPICO satellite transmitter.

Price	€7,800
Availability	4 months
Polarization	LHCP
Output Interface	Ethernet (UDP packets)

€7 800

CubeSat deployers, antennas, EPS and small-satellite systems.



ISISPACE GROUP

ISISPACE Training Platform

This cost-effective Training Platform can support hands-on training and education for small satellite design and engineering, perfect to kickstart your small satellite program....

Manufacturer

ISISPACE

€9 800

datasheet

Jena-Optronik

1991 · 2 PRODUCTS

Jena-Optronik designs and manufactures sensors, space optics, and electronics for satellites and spacecraft, supporting communication, navigation, and Earth observation.



JENA-OPTRONIK

OSI Optical Sky Simulator

Advanced dynamic closed-loop star sensor test system: projects real sky scenery (stars, planets, SEUs) on micro-display through collimating optics, >20deg FOV, up to 3deg/s moti

Function	Dynamic closed-loop end-to-end star sensor testing
FOV	>20 deg circular
Simulated Objects	Stars (2.0-6.5 mi), solar system bodies, protons (>5000/image), extended objects
Single Star Accuracy	<0.0075 deg (3-sigma)
Star Diameter	<0.1 deg (99%)

price on request



JENA-OPTRONIK

OSPS Optical Star Pattern Simulator

Compact, cost-efficient Ground Support Equipment for static star pattern simulation and functional testing of ASTRO APS and ASTRO CL star trackers. Available in ambient and TVAC va

Function	Static star pattern simulation (open-loop)
Compatibility	ASTRO APS (plug & play); ASTRO CL (extended version)
Variants	OSPS-Standard (ambient), OPS- TV (TVAC), OPS-PEEK (reduced shielding)
Operating Temperature	+10 to +30 deg C (Standard/PEEK); TVAC range for -TV variant
ASTRO CL capability	Alignment and measurement during satellite integration

price on request

Kazakhstani satellite AIT joint venture (Airbus D&S + Kazakhstan Gharysh Sapary) — 15,000 m² ISO 8 cleanrooms in Astana, capable of processing spacecraft up to 6 tons. Operators of KazSTSAT and KazEOSat-2.



JV GHALAM LLP

Ghulam Spacecraft AIT Services

Spacecraft Assembly, Integration and Test services from Ghulam's 15,000 m² ISO 8 AITC in Astana — thermal-vacuum, vibration, EMC testing, supports spacecraft up to 6 tons. Airbus-s

Cleanroom area	15,000 m ²
Cleanroom class	ISO 8
Max spacecraft mass	6 tonnes
Standards	Airbus Defence and Space procedures
Test capabilities	Thermal-vacuum, vibration, EMC, climatic, CMM measurement

price on request

Kacific Broadband Satellites

Kacific Broadband Satellites provides high-quality, low-cost satellite broadband services to businesses, governments, and operators in South East Asia and the Pacific.

KACIFIC BROADBAND SATELLITES

Kacific CommsBox

Compact solar-powered VSAT terminal for remote last-mile broadband — 2.4 Mbps download, 0.7 Mbps upload, auto-pointing 60 cm dish, built-in Wi-Fi router, powers 100+ users, rugged

Download speed	Up to 6 Mbps (burst), 2.4 Mbps standard
Upload speed	Up to 0.7 Mbps
Antenna	60 cm auto-pointing flat-panel dish
Satellite	Kacific1 Ka-band GEO
Wi-Fi	Built-in, 100+ simultaneous users

price on request

KACIFIC BROADBAND SATELLITES

Kacific CommsBox Ultra

Next-generation Ka-band VSAT terminal — 5× faster than CommsBox, up to 30 Mbps download, 10 Mbps upload, 75 cm dish, Wi-Fi 6, LTE backup, enterprise SLA options.

Download speed	Up to 30 Mbps
Upload speed	Up to 10 Mbps
Antenna	75 cm motorized auto-pointing dish
Satellite	Kacific1 Ka-band GEO
Wi-Fi	Wi-Fi 6 (802.11ax)

price on request

Kongsberg Defence & Aerospace — Space Division

Kongsberg Defence & Aerospace — Space Division delivers technologies for the space value chain, including launch services, small satellite production, and satellite data management.

KONGSBERG DEFENCE & AEROSPACE – SPACE DIVISION

Kongsberg Space Communication Systems

Kongsberg Defence & Aerospace's satellite communication systems — antenna products, ground terminals, and satellite payloads for maritime, military, and government applications

Products	Maritime SATCOM terminals, SOTM antennas, military SATCOM terminals, GMDSS equipment
GMDSS	Maritime safety communication compliance terminals (mandatory on commercial ships)
Military Capability	NATO-compliant, EW-resistant SATCOM terminals
Satellite Bands	L-band (Inmarsat, Iridium), X-band, Ka-band
HQ	Kongsberg, Norway

price on request

KONGSBERG DEFENCE & AEROSPACE – SPACE DIVISION

Satellite Ground Systems

Integrated satellite ground systems and TT&C equipment — antennas, ground software, AIS/VDES receivers, and operations support for LEO earth observation and maritime surveillance

Systems	TT&C, mission operations, data processing, AIS/VDES
Frequency Bands	S-band, X-band, VHF
Antenna Types	Parabolic, phased array, helical
Customers	Norwegian Space Agency, ESA, commercial operators
Heritage	NorSat-1/2/3, AISat-1/2, Copernicus ground segment

price on request

Kratos Defense & Security Solutions

UNITED STATES · 1994 · 6 PRODUCTS

American defense technology company specializing in unmanned systems, satellite communications, and space domain awareness.



KRATOS DEFENSE & SECURITY SOLUTIONS

Fixed GEO Earth Stations

Kratos offers a range of fixed earth station antennas from 3.5m to 18m, configurable for receive-transmit or receive-only operations, providing high electrical performance and vers

Aperture Range	3.5 - 18.3 m
Frequency Bands	L-, S-, C-, X-, Ku-, K-, Ka-, Q/V-band (varies by model)
Mount Types	Pedestal, kingpost tripod, high-wind, turning head, extended azimuth
Operating Mode	Receive-transmit or receive-only
Application	Fixed GEO satellite earth stations / teleports

price on request datasheet



KRATOS DEFENSE & SECURITY SOLUTIONS

Fixed LEO/MEO Antenna Systems

Kratos Fixed LEO/MEO Antenna Systems are precision-engineered ground antennas designed for stable, high-throughput links to LEO and MEO satellite constellations.

Model	3.5m LEO Satcom Antenna
Aperture	3.5 m
Radome	None (open-air design)
Controller	Kratos NGC2 Antenna Controller
Application	LEO/MEO constellation ground stations

price on request datasheet



KRATOS DEFENSE & SECURITY SOLUTIONS

Kratos 3.9 Meter Trifold™ Transportable Satellite Antenna System

A transportable satellite antenna system designed for worldwide use in data, voice, and communications networks, offering high quality and dependable antenna platform.

Optics Type	Dual Reflector Gregorian
Reflector Construction	Dual Piece Aluminum Spinning
Reflector Segments	3
Mount Configuration	Elevation over Azimuth Heavy Duty Positioner
Antenna Pointing Range, Elevation	5-90o (NOMINAL)

price on request



KRATOS DEFENSE & SECURITY SOLUTIONS

Kratos KPBESA40M.C2 4.0 Meter Earth Station Antenna

A 4.0 meter low-cost Earth Station Antenna with high gain and exceptional pattern characteristics, designed for television broadcast and telecommunications networks.

Optics Type	Dual Reflector Gregorian
Reflector Material	Precision-Formed Aluminum
Reflector Segments	6
Mount Type	El over Az, Optional Manual or Motorized Mount
Antenna Pointing Range, Coarse (Elevation)	0-90o (90o) (NOMINAL)

price on request



KRATOS DEFENSE & SECURITY SOLUTIONS

Tactical Antenna Systems

Kratos' Tactical Antenna Systems are state-of-the-art earth station satcom antennas ranging from 2.4m to 4.0m, designed for mission-critical applications.

Aperture Range	2.4 - 4.0 m
Models	2.4m/2.5m Nomadic Earth Station Antenna; 4.0m Nomadic Carbon Fiber Earth Station Antenna;
Feed Configuration	Customer-selectable transmit/receive feed assemblies
Application	Tactical / field-deployable satcom terminals

price on request [datasheet](#)



KRATOS DEFENSE & SECURITY SOLUTIONS

Transportable Antenna Systems

Kratos' transportable earth stations are designed for maximum transportability, quick setup, versatility, and high performance in mission-critical satellite communication applications.

Models	3.9m Trifold Transportable Antenna; 4.6m Trifold Transportable Antenna
Reflector Design	Trifold (fold-out segmented reflector)
Application	Mobile / rapid-deployment satcom ground terminals

price on request [datasheet](#)

KRYTAR designs and manufactures ultra-broadband microwave, mmWave, and RF components and test equipment for commercial and military applications, covering DC to 110 GHz.



KRYTAR
Space Qualified Coaxial Termination

Rugged mechanical-design coaxial terminations rated for space use — models spanning DC to 40 GHz, low VSWR, 3.5mm connectors.

Model T1M-SQ	DC-20.0 GHz, 1.05 max VSWR, 3.5mm male
Model T2M-SQ	To 26.5 GHz
Model T3M-SQ	To 40.0 GHz

price on request



KRYTAR
Zero Bias Schottky Detectors 203A

The KRYTAR 203 Series Zero Bias Schottky Detectors are inline coaxial barrel connector packages designed for high-performance microwave instrumentation and systems, offering broad

Minimum Frequency	10 MHz
Maximum Frequency	40 GHz
Frequency Response	±0.5 dB to 20 GHz
Frequency Response	±0.8 dB to 26.5 GHz
Frequency Response	±1.5 dB to 40 GHz

price on request [datasheet](#)

KSAT (Kongsberg Satellite Services)

World-leading satellite ground station operator with 26 antenna sites including Svalbard, providing TT&C, data downlink, and relay services for LEO, MEO, and GEO satellites worldwide.



KSAT (KONGSBERG SATELLITE SERVICES)
Global Ground Station Network

KSAT's world-leading commercial ground station network with 26 antenna sites including polar stations in Svalbard and Antarctica — supporting 200+ spacecraft daily.

Ground Station Sites	26 sites globally
Antennas	200+
Key Sites	Svalbard (Arctic) and Antarctica (polar coverage for SS0)
Daily Spacecraft Served	200+
Frequency Bands	X, S, Ka-band downlink; S/X uplink; optical laser ground stations



KSAT (KONGSBERG SATELLITE SERVICES)
KSATlite

KSATlite is KSAT's fully automated Ground Segment-as-a-Service offering, delivering global, API-driven satellite communications for small satellites and mega-constellations.

Ground stations (KSATlite)	26 globally distributed stations
Antennas (KSATlite)	135 antennas, 3.7m to 6.1m diameter
Frequency bands	S-band (up/down), X-band (down), Ka-band (down)
Monthly contacts	~145,000 passes processed per month
Reliability	Historical performance above 99.75% globally

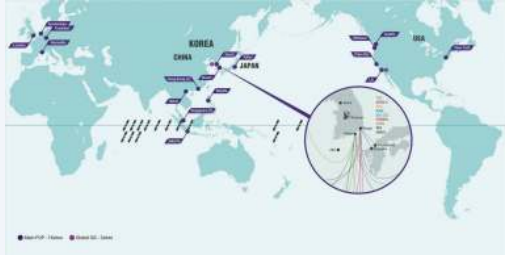
price on request

price on request

KT SAT

SOUTH KOREA · 2012 · 2 PRODUCTS

KT SAT is South Korea's sole satellite communication operator, operating a fleet of five geostationary KOREASAT satellites covering over 60% of the world's population with transponder leasing, broadband, broadcast, maritime, and Earth obser



KT SAT

Kumsan Teleport Services

Third-party teleport access via KT SAT's Kumsan Satellite Service Center — one of Asia's largest teleports with 50+ years of operation and 40+ antennas.

price on request



KT SAT

Satellite Broadband & Data Services

Satellite broadband, dedicated SCPC/MCPC private lines, and mobile backhaul for enterprises and remote sites via the KOREASAT fleet.

price on request

Kuang-Chi (Shenzhen Kuang-Chi Institute of Advanced Technology)

CHINA · 2010 · 1 PRODUCT

Chinese advanced-technology group specializing in metamaterials for aerospace and defense, including structural components, radomes, and conformal antennas for advanced aircraft programs.



KUANG-CHI (SHENZHEN KUANG-CHI INSTITUTE OF ADVANCED TECHNOLOGY)

Metamaterial Antenna and Communication Technologies

Kuang-Chi's engineered metamaterial antennas and electromagnetic components for satellite communications — applying structured material design to achieve aperture, gain, and bandwi

Technology	Electromagnetic metamaterials – engineered microstructured materials
Space Applications	Flat high-gain metamaterial antennas for satellite comms
Advantages	Ultra-thin, conformal, high gain, wideband – not achievable with conventional antennas
Manufacturing	Metasurfaces as printed flat sheets (PCB-like fabrication)
Also Researching	Stratospheric platforms, buoyancy near-space systems

price on request

Kymeta

UNITED STATES · 2012 · 1 PRODUCT

American satellite antenna company developing flat-panel electronically steerable antennas for mobile satellite communications.



KYMETA

Electronically Steerable Flat-Panel Satellite Terminal

Kymeta's u8 flat-panel electronically steerable antenna — providing satellite broadband for maritime, land mobile, aviation, and government users without mechanical moving parts.

Technology	Liquid crystal meta-surface waveguide ESA (no moving parts)
Product	u8 flat-panel terminal (roof-mount for vehicle, vessel, aircraft)
Satellites	GEO and MEO (OneWeb, SES 03b mPOWER, Inmarsat compatible)
Advantages	No gimbal, thin/flat form factor, easy installation on mobile platforms
Markets	Military vehicles, maritime, aviation, land mobile, government

price on request

LabSat

UNITED KINGDOM · 3 PRODUCTS

LabSat, a brand of Racelogic, provides compact GNSS record and replay simulators enabling reliable, repeatable testing of GNSS-enabled devices across automotive, aerospace, and industrial applications.



LABSAT

LabSat 3

Compact, portable multi-constellation GNSS record-and-replay simulator for testing and developing products with satellite navigation chipsets.

Constellations	GPS/Galileo/SBAS/QZSS, GLONASS, or BeiDou
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LABSAT

LabSat 3 Wideband

The LabSat 3 Wideband is a multi-constellation and multi-frequency GNSS record and replay system designed for testing GNSS devices in various applications, including aerospace and

Constellations	GPS L1, L2, L5; Galileo E1, E5a/b, E6; GLONASS G1, G2,
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Output Signal Level	Adjustable -73 dBm to -103 dBm
RF Channels	1, 2 or 3 (model dependent*)
RF Constellation Centre Frequencies	1575.420 MHz (GPS L1, Galileo E1, SBAS and QZSS); 1602.00 MHz (GLONASS L1); 1561.098 MHz (
Number of Satellites Observed	All in view
price on request datasheet	

	G3; BeiDou B1, B2a/b, B3; QZSS L1,
Nominal Output Signal Level	-93dBm/MHz @ 0dB, variable attenuator provides between +20 dB and -69 dB of adjustment dur
RF Channels	3
RF Channel Centre Frequencies	Selectable
Number of Satellites Observed	All in view
price on request datasheet	



LABSAT

LabSat 4

The LabSat 4 is a compact, portable, and cost-efficient GNSS Record & Replay simulator offering multi-constellation and multi-frequency capabilities with up to 12-bit quantisat

Constellations	GPS L1, L2, L5; Galileo E1, E5a/b, E6; GLONASS G1, G2, G3; BeiDou B1, B2a/b, B3; QZSS L1,
Nominal Output Signal Level	-73dBm/MHz @ 0dB Variable attenuator provides between +20 dB and -69 dB of adjustment duri
RF Channels	3
RF Channel Centre Frequencies	Selectable
Number of Satellites Observed	All in view

[price on request](#)
[datasheet](#)

LAUNCH42

NETHERLANDS · 2 PRODUCTS

Dutch developer of SmallSat and CubeSat separation systems providing smart, lightweight, cost-effective satellite deployers for launch mission management.



LAUNCH42

Tpod L CubeSat Test Fixture

Fully assembled CubeSat test fixture (TPOD-L) from Launch42, supporting 12U/16U CubeSats for integration and pre-launch test campaigns.



LAUNCH42

Tpod M CubeSat Test Fixture

Fully assembled CubeSat test fixture (TPOD-M) from Launch42, supporting 6U/8U CubeSats for integration and pre-launch test campaigns.

Size	TP0D-L
Supported CubeSat Size	12U / 16U
Lead time	4 weeks
Price	€15,800
€15 800	

Size	TP0D-M
Supported CubeSat Size	6U / 8U
Lead time	4 weeks
Price	€11,500
€11 500	

Leaf Space

ITALY · 2014 · 4 PRODUCTS

Italian Ground Segment as a Service (GSaaS) provider operating 40+ ground stations across 19 global locations, supporting 140+ satellites with communications scheduling, telemetry, and LEOP services.



LEAF SPACE

Leaf Hosting — Ground Station Co-Location

Infrastructure co-location service — host your own ground station hardware at Leaf Space sites worldwide with access to secured land, power, connectivity, and local maintenance sup

Service Type	Infrastructure co-location (your hardware at Leaf Space sites)
Infrastructure	Secured land, power, internet connectivity
Maintenance	First-level maintenance by local Leaf Space workforce (LRU swaps)
Available Locations	Any Leaf Space site – 19 global locations
Regulatory	Sites compliant with local telecommunications regulations

price on request



LEAF SPACE

Leaf Key — Dedicated Ground Station

Dedicated single-tenant ground station antenna deployed at Leaf Space sites or your own facility — 100% or shared-time exclusive use, S/X-band (higher on request), managed via unif

Access Model	100% dedicated or part-time dedicated (shared)
Frequency Bands	S-band, X-band (higher bands on request)
Deployment	Leaf Space sites or customer's own facility
Network	35+ active antennas, 19 global locations
Control Interface	Unified Leaf Space API

price on request



LEAF SPACE

Leaf Line — Ground Segment as a Service

Subscription-based satellite ground station network service — 40+ stations across 19 global locations, 140+ satellites supported, 24,000+ monthly passes, simple onboarding, unified

Ground Station Network	40+ stations across 19 global locations
Satellites Supported	140+
Monthly Passes	24,000+
Service Model	Subscription-based (GSaaS)
Interface	Unified software interface for scheduling and monitoring

price on request



LEAF SPACE

TreeNet & Leaf Line

TreeNet is an "always-on" connectivity solution that creates a continuous communication layer by linking satellites and ground infrastructure into a federated mesh network. Leaf Li

Ground Stations	+40
Average gap between two consecutive contacts (SSO mission at 55 km altitude, Q4 2025)	around 15 minutes
Average gap between two consecutive contacts (mid-inclination missions, Q4 2025)	around 13 minutes
Supported Protocols/Communication Schemes	Integrated protocols and radios from main new space industry manufacturers, CCSDS, DVB-S2,
Support Hours	12h continuous support every day (6:00 UTC - 18:00 UTC or 7:00 UTC - 19:00 UTC)

price on request

Leanspace

2020 · 1 PRODUCT

Leanspace provides software solutions for satellite and ground segment operations, offering a platform of APIs and data-handling services for mission-critical systems.

LEANSPLACE

Leanspace Platform

Leanspace offers a standard, integrated, cloud-native software platform designed to reduce the time, costs, and risks associated with building and operating ground segments for spa

Use cases	Active debris removal, life extension, multi-phase missions
Function	Dynamic planning/visualization, automated plan generation and validation

price on request

US defense and technology prime contractor providing space systems integration, satellite ground systems, and mission software for national security and civil space programs.



LEIDOS SPACE

Leidos Space Mission Systems Integration

Leidos' space and defense systems integration — satellite ground systems, NRO intelligence satellite programs, DARPA Blackjack MILSATCOM constellation, and classified space mission

Company	Leidos Holdings (NYSE: LDOS) — >\$15B annual revenue
Space Programs	DARPA Blackjack MILSATCOM, NRO programs, NASA ground systems
Services	Systems integration, ground segment, mission data processing, C2 systems
Customers	NRO, Space Force, NSA, NASA, DoD
Heritage	Lockheed Martin IS&GS division (2013 spinoff, subsequent acquisitions)

price on request

Lens R&D

Dutch manufacturer of precision optical components and sun sensors for space missions, with flight heritage on ESA programs including LISA.



LENS R&D

Single Sampler EGSE

The Single Sampler is a universal analogue Sunsensord interface box that can be used to readout four (photo) currents simultaneously as well as a 10kOhm nominal thermistor. As such...

Manufacturer	Lens R&D
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€11 887

LeoLabs provides persistent orbital intelligence through a global radar network, real-time data catalog, and AI-powered analytics for space domain awareness and traffic management.



LEOLABS

LeoLabs Global Radar Network

LeoLabs' 24/7 global network of ground-based phased-array radars that persistently tracks satellites and orbital debris in low Earth orbit to power space domain awareness, collision

Network operation	24/7 global radar network
Coverage	Northern Hemisphere, Southern Hemisphere, and Equatorial regions
Current sites	Australia, Azores, Costa Rica, New Zealand, Texas
Tracker radar technology	Phased Array Offset-Fed Reflector
Tracker detection capability	Spacecraft and >10cm debris tracking

price on request



LEOLABS

Space Object Radar Tracking Network

LeoLabs' global network of phased-array radars tracking 250,000+ space objects down to 2 cm size — providing conjunction analysis and collision avoidance data to satellite operator

Minimum Trackable Object	2 cm (LEO)
Objects Tracked	250,000+ (commercial catalog)
Radar Sites	Alaska, New Zealand, Costa Rica, Azores, Australia, Kenya
Technology	Phased-array radars (purpose-built for LEO tracking)
Services	Conjunction analysis, CDM generation, maneuver planning

price on request

Libre Space Foundation is a non-profit open-source foundation developing open hardware and software for space, including the SatNOGS global satellite ground station network, CubeSat missions, and interoperable space infrastructure.



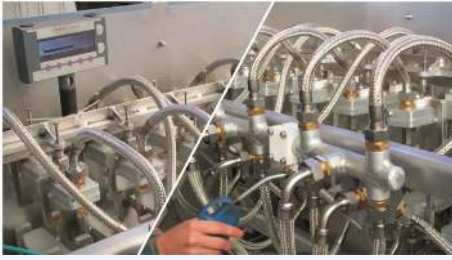
LIBRE SPACE FOUNDATION

SatNOGS

SatNOGS is an open-source project providing a global network of satellite ground stations and a machine-readable crowdsourced satellite information database.

price on request

Madrid-based aerospace engineering company specialising in opto-mechanical systems, flexible thermal straps, and cryogenic units for space missions.



LIDAX

Custom Cryostats

Custom-built research-grade cryostats offering precise cryogenic temperature control, compatible with liquid helium or liquid nitrogen, for space-technology research.

Operating temperature	In-house test asset: 20 to 300 K
Interface	Optical windows (in-house asset: 2 windows); compatible with liquid helium or liquid nitro
Dimensions	In-house test asset volume: 300 x 300 mm

price on request



LIDAX

Custom Thermal Vacuum Chambers

Custom-designed thermal vacuum chambers reproducing space environmental conditions (extreme temperature and high vacuum) for qualification testing of space hardware.

Interface	Custom-configured size, temperature range, vacuum level, and optical window options per pr
Operating temperature	Configurable extreme-temperature range (project-specific)
Interface	ISO 5 / ISO 7 clean rooms compliant with ISO 14644 for integration
Interface	In-house test types: sine/random vibration, shock, TVAC, TVTB

price on request

LiquidCool Solutions

UNITED STATES · 2006 · 3 PRODUCTS

Total liquid immersion cooling technology for servers and electronics, using patented Directed-Flow cooling in standard 19-inch racks for data center, edge, and rugged industrial applications.



LIQUIDCOOL SOLUTIONS

LCS MiniNODE

The LCS MiniNODE is a compact, fully sealed (IP67) industrial computer built on the Thin Mini-ITX standard, cooled entirely by roughly one gallon of non-hazardous, eco-friendly die

Ingress protection	IP67
CPU	AMD Ryzen Embedded R2000/5000-series, up to 6-core/12-thread, 4.4 GHz
Memory	up to 64 GB DDR4
Storage	NVMe M.2 SSD
Power	180 W external supply

price on request



LIQUIDCOOL SOLUTIONS

LCS Small-Scale Server (SSS)

Self-contained, plug-and-play 24U mobile server room housing 4-6 ZPServers for rapid edge deployment.

Power range	1.1 - 8 kW
Storage	up to 16 TB
Cooling PUE	< 1.04
Noise level	< 55 dBA
Rack size	24U

price on request



LIQUIDCOOL SOLUTIONS

LCS ZP Server (Zero-Pressure Server)

Immersion-cooled 2U rack server delivering up to 4kW per rack unit for data centers and AI workloads.

Cooling capacity	up to 4 kW per 2U
Dimensions	18 x 33 x 3.5 in (2U)
Fluid volume	~5 gallons per 2U
Wet weight	~75 lb per 2U
Cooling PUE	< 1.03

price on request

LoadPath (Redwire)

2 PRODUCTS

Redwire is an integrated aerospace and defense company providing advanced technologies, space infrastructure, and autonomous systems for government agencies and defense programs.



LOADPATH (REDWIRE)

LoadPath 3U CubeSat Mass Simulator

The LoadPath 3U CubeSat Mass Simulator is designed to simulate the mass and center of mass of a 3U CubeSat for ground fit checks, testing, and integration studies.

Design simulates	mass and center of mass of a 3U CubeSat
Mass range	3-5 kg
Suitability	ground fit checks, ground testing and integration studies
Nominal structural material	Delrin polymer
Material properties	low-outgassing materials acceptable in flight

price on request



LOADPATH (REDWIRE)

LoadPath 6U CubeSat Mass Simulator

The LoadPath 6U CubeSat Mass Simulator is designed to simulate the mass and center of mass of a 6U CubeSat for ground testing, integration studies, and fit checks.

Design simulates	mass and center of mass of a 6U CubeSat
Mass range	6-10 kg
Suitability	ground fit checks, ground testing and integration studies
Nominal structural material	Delrin polymer
Material properties	constructed of low-outgassing materials acceptable in flight

price on request

Look Up Space

FRANCE · 2022 · 1 PRODUCT

French space data and analytics platform providing orbital intelligence and space situational awareness services.

LOOK UP SPACE

Sorasys

Sorasys is a new-generation, accurate, and scalable ground-based surveillance and tracking radar system designed to detect and track the smallest objects in Earth orbit with a high

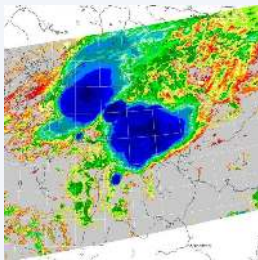
Object size detection	Down to a few centimeters
Orbit coverage	Low Earth Orbit (LEO)
Operation	24/7 real-time
First sensor location	Southern France

price on request

Lorett

RUSSIA · 2013 · 2 PRODUCTS

Lorett develops equipment and technologies for real-time Earth remote sensing satellite data reception and provides educational programs in space technologies.



LORETT

LORETT EO Ground Station

Turn-key ground station for receiving Earth-observation satellite data — multi-band (X / L / S) terminals for meteorological and remote-sensing missions.

price on request



LORETT

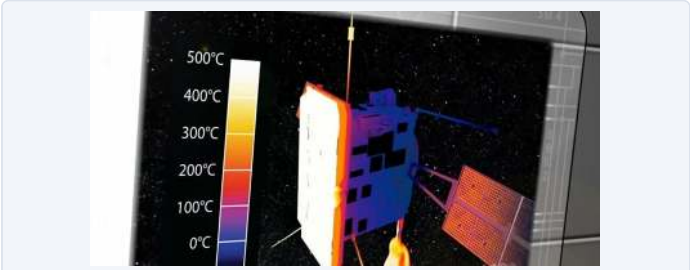
X-band Satellite Data Reception Station

LoReTT's X-band ground receiving station for acquiring, demodulating, and processing optical satellite Earth observation data from LEO satellites.

Frequency Band	X-band
Function	Satellite EO data reception, demodulation, decoding, processing
Compatible Satellites	Commercial and government LEO EO satellites
Software	Planum / Planum EC with NextGIS integration
Founded	April 2017, Moscow (Skolkovo resident)

price on request

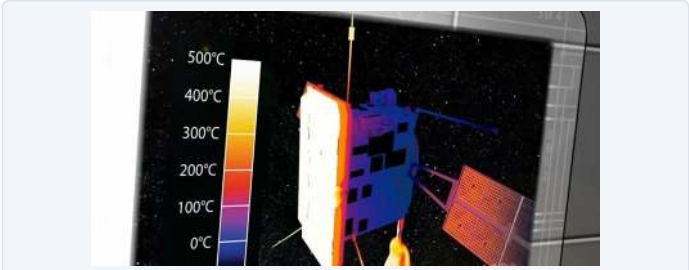
Lunar Research Service (LRS) is a Ukrainian space technology company specializing in hardware and materials testing for space applications, nanosatellite development, and extreme-environment testing.



LUNAR RESEARCH SERVICE
Hardware Testing for Extreme Environments

Structural dynamics testing service from Lunar Research Service (LRS) for qualifying hardware intended for extreme, space-relevant environments.

price on request



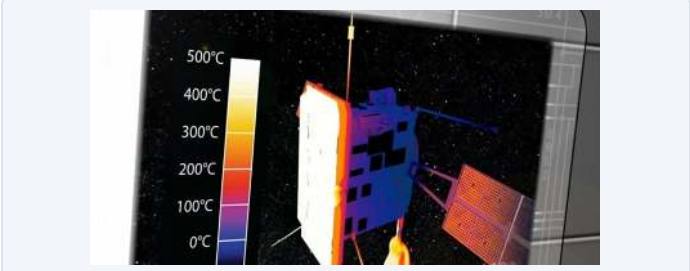
LUNAR RESEARCH SERVICE
LRS Hardware Testing for Extreme Environments

Lunar Research Service offers structural dynamics testing of hardware for extreme environments, covering vibration, shock, and acoustic qualification relevant to space missions.

Test capabilities

Vibration testing,
vibroacoustics, modal
characteristics testing,
sound transmission loss

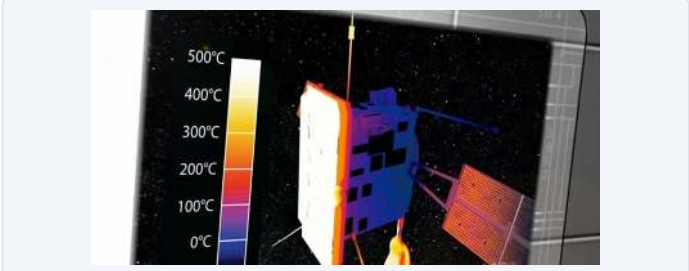
price on request



LUNAR RESEARCH SERVICE
Lunar Research Service (LRS)

Lunar Research Service (LRS) is a Ukrainian NewSpace company offering satellite mission services, near-space/stratospheric and orbital launch campaigns, and environmental hardware

price on request



LUNAR RESEARCH SERVICE
Lunar Research Service (LRS) Hardware Testing & Mission Services

Lunar Research Service (LRS) provides structural and environmental testing for hardware destined for extreme environments, alongside satellite mission design, in-house deployment s

Flight heritage

LRS 3U satellite launch
agreement with Rocket Factory
Augsburg AG (RFA), planned
for Decem

price on request

Lúnasa is a London-based space technology company building navigation, autonomy, and rendezvous and proximity operations (RPO) systems for the in-orbit servicing and manufacturing (ISAM) market.



LUNASA SPACE
Robotic Testbed for Satellite Servicing

The Lúnasa Robotic Testbed is an advanced ground-based simulation environment for testing and validating vision-based Guidance, Navigation, and Control (GNC) systems for satellite

Arm Payload capacity	Upto 30 kg
Degrees of Freedom	6 DoF arms + extra DoF from the axis
Accuracy	0.05 mm
Length of testbed	7 m
Arm reach	Up to 1.3 m

price on request

LYRASENSE

1 PRODUCT

LYRASENSE offers a platform for building satellite-powered applications, integrating data, analytics, and deployment tools in a single workspace with AI assistance.

LYRASENSE
LYRASENSE Geo Agentic Platform

Agentic AI geospatial analytics platform for satellite data — ingests Sentinel, Landsat, commercial optical and SAR imagery, IoT feeds and enables no-code Earth observation analysi

Platform type	Cloud-based agentic AI geospatial analytics SaaS
Data sources	Sentinel, Landsat, commercial optical and SAR imagery, drone feeds, IoT sensor streams
Imagery types	Optical and Synthetic Aperture Radar (SAR)
Pre-built templates	50+ (NDVI, emissions, vessel detection, infrastructure, yield prediction, mineral detectio
Code requirement	None — platform handles geospatial Python libraries automatically

price on request

Dual-use clean energy and ISRU technology company developing automated solar manufacturing and regolith-processing systems for Earth and space.



MAANA ELECTRIC

Lunar Highland Simulant (LRS-H)

The Lunar Highland Simulant (LRS-H) is a basic/standard simulant designed to replicate the anorthositic material found in the Moon's highlands, rich in elements like Al and Si.

Simulant name	LRS Lunar Highland Simulant
Simulant type	Basic/Standard
Reference material	Apollo average highland samples
Mean particle size	75 μm
Particle size range	<10 – 1400 μm

price on request



MAANA ELECTRIC

Lunar Mare Simulant (LRS-M)

The Lunar Mare Simulant (LRS-M) is a basic/standard simulant designed to replicate the basaltic material found in the Moon's maria, based on Apollo average maria samples.

Simulant name	LRS Lunar Mare Simulant
Simulant type	Basic/Standard
Reference material	Apollo average maria samples
Mean particle size	75 μm
Particle size range	<10 – 1400 μm

price on request

Magson GmbH is a Berlin-based manufacturer of high-performance digital fluxgate magnetometers for terrestrial and space applications, including spacecraft attitude control systems.



MAGSON GMBH

Data Logger

Linux-based multi-channel data logger for fast low-voltage and E-field measurements, including seafloor deployments.

Channels	3 channels
Sample rate	Up to 10 kHz
Measurement type	Fast E-field / low-voltage measurements
Time synchronization	Optional atomic clock for multi-unit sync without cabling
Operating system	Linux-based

price on request

datasheet



MAGSON GMBH

Gradiometer (MFG-2S)

Dual-sensor fluxgate gradiometer for detecting small-scale magnetic field anomalies and spacecraft magnetic moment testing.

Sensor configuration	Two independent fluxgate sensors in spatial gradient arrangement
Measurement type	Magnetic field gradient / anomaly detection
Primary use	Spacecraft magnetic moment determination, magnetic cleanliness testing
Known users	ESTEC (ESA), Thales Alenia Space
Base sensor noise	< 15 pT/sqrt(Hz) @ 1 Hz (per Magson fluxgate sensor)

price on request

[datasheet](#)**MAGSON GMBH****Standard Fluxgate Magnetometer**

Configurable industrial-grade tri-axial fluxgate magnetometer for terrestrial geophysical and field survey applications.

Sensor type	Tri-axial fluxgate, single or dual sensor configuration
Noise level	< 15 pT/sqrt(Hz) @ 1 Hz
Long-term stability	Offset drift < 3 nT/year
Data storage	Optional integrated flash memory for stand-alone operation
Optional sensors	Tilt meter, angular encoder, external GPS receiver

price on request

Maritime Launch Services

CANADA · 1 PRODUCT

Canadian company building the Spaceport Nova Scotia at Canso to provide sovereign launch access for small and medium satellites into polar and sun-synchronous orbits.

**MARITIME LAUNCH SERVICES****Spaceport Nova Scotia**

Spaceport Nova Scotia is a launch facility on Canada's Atlantic coast, providing access to polar and sun-synchronous orbits.

Location	Nova Scotia, Canada
Orbit types	Polar and sun-synchronous
Vehicle class	Small to medium launch vehicles

price on request

MASER Engineering

NETHERLANDS · 1 PRODUCT

Dutch specialist providing reliability testing, failure analysis, and space qualification engineering services for electronic components used in space missions

and high-reliability applications.



MASER ENGINEERING
MASER Engineering Satellite Ground Equipment

Dutch engineering company producing satellite ground station equipment and RF systems for satellite communication networks.

Products	Ground station equipment, RF systems
Country	Netherlands

price on request

Mbryonics

IRELAND · 2014 · 2 PRODUCTS

Ireland's largest photonics company, building end-to-end optical communication systems for space connectivity.



MBRYONICS
STARGATE

STARGATE is an Optical Ground Station that provides a 1000x larger data transmission pipeline for space-to-earth communication compared to traditional methods, offering universal c

price on request



MBRYONICS
STARGATE Optical Ground Station

Optical Ground Station providing the space-to-Earth last-mile laser link — 1000x larger data transmission capacity than traditional methods, universal satellite network compatibili

Data transmission capacity	1000x larger than traditional methods
Technology basis	Space BACN
Compatibility	Universal – any satellite network
Key feature	State-of-the-art adaptive optics for atmospheric compensation

price on request

Chinese commercial satellite manufacturer building Earth observation, communications, and remote sensing satellites, plus payloads, components, and ground terminal systems.



MINOSPACE
0.6 m Portable Monitoring Antenna

A 0.6 m portable ground antenna system for receiving downlink signals and automatically tracking non-geostationary orbit (NGSO) satellites.

Aperture	0.6 m
Turntable	High-speed, controlled by host computer software
Tracking mode	Automatic acquisition and tracking of satellite targets
Supported targets	Domestic and international NGSO satellite systems

price on request



MINOSPACE
1.0m X-band portable station

A 1.0m X-band portable ground station for rapid deployment, enabling telemetry, tracking, and command (TT&C) operations with LEO and MEO satellites.

price on request



MINOSPACE
1.5m Ka-band portable TT&C and data transmission station

A portable 1.5m Ka-band ground station for telemetry, tracking, and command (TT&C) and data transmission with medium- and low-Earth orbit satellites.

price on request



MINOSPACE
1.8m Ka/Ku Dual-Band Portable Monitoring Antenna

A 1.8m portable Ka/Ku dual-band antenna system for TT&C and data transmission with medium and low-Earth orbit satellites, featuring automatic satellite tracking via TLE and GPS

price on request



MINOSPACE
Changchun Optical Payload Manufacturing AIT Center

The Changchun Optical Payload Manufacturing AIT Center specializes in the design, development, testing, and validation of large-aperture optical remote sensing satellite payloads,

Integrating Sphere Diameter	3-meter
Three-axis Toolmaker's Microscope Standard	JS B7153

price on request



MINOSPACE
MinoPad portable station

The MinoPad portable station is a lightweight Ku-band satellite communication solution with a 0.3m equivalent-aperture antenna, designed for high-throughput satellite applications.

Antenna type	0.3m equivalent-aperture Ku-band antenna
Operation time without external power	2-3 hours

price on request



MINOSPACE
MinoSpace Advanced Equipment Manufacturing Laboratory

The MinoSpace Advanced Equipment Manufacturing Laboratory is a comprehensive facility in Beijing for commercial satellite testing and development, integrating testing, experimental

Total area	nearly 5,000 square meters
Vibration table capacity	up to 1000 kg
EMC chamber dimensions	14m (L) x 12m (W) x 10m (H)
Thermal vacuum chamber effective temperature range	±200°C
Thermal vacuum chamber effective test diameter	3.6 meters

price on request

MINOSPACE
Minospace Commercial Satellite Intelligent Production Line

The Minospace Commercial Satellite Intelligent Production Line is a 48,600 m² facility in Wuxi, Jiangsu, designed for efficient, high-quality, and low-cost satellite manufacturing.

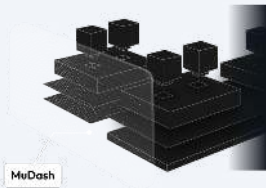
Facility Size	48,600 m²
Location	Wuxi, Jiangsu
Integrated Capabilities	Advanced satellite assembly, intelligent production, R&D, and flight control

price on request

Muon Space

UNITED STATES · 2021 · 1 PRODUCT

Muon Space is the Mission Foundry, designing, building, and operating high-performance satellite constellations for defense, civil, and commercial customers.



MUON SPACE

MuDash

Cloud-based command, control and communication (C3) platform for mission tasking, scheduling, and monitoring.

Function	Cloud-based Command, Control & Communication (C3) platform
Capabilities	Mission timeline visualization; ground station and space segment scheduling; command and t
Command safety	Constraint checking of command sequences prior to upload
Customer access	API / portal for customer operations tasking and software upload

price on request

NanoAvionics

LITHUANIA · 2014 · 1 PRODUCT

Pre-integrated nanosatellite buses (3U–16U+ MP42), green chemical propulsion, mission integration.



NANOAVIONICS

UHF COMM 4G0 Half Duplex Modem

1U half-duplex UHF ground modem for CubeSat/SmallSat operations, compatible with NanoAvionics COMM SAT2RF1-1D transceivers at 401–403 MHz or 430–440 MHz.

Form factor	1U modem
Operating mode	Half duplex
Frequency bands	401–403 MHz (commercial) or 430–440 MHz (amateur)
RX filter	Narrowband SAW filters for each band
Receive sensitivity (2400 bps GFSK2)	-122 dBm

price on request

Thailand's national public organization for astronomical research, operating the country's largest optical and radio telescopes and leading regional astronomy technology development.



ครั้งแรกของไทยสู่การโคจรรอบดวงจันทร์

อุปกรณ์วิทยาศาสตร์ฝีมือคนไทย
CE-7 MATCH
Thai Scientific Payload
Chinese-7 Moon Array Thai Science Mission
เตรียมปล่อยขึ้นสู่อวกาศ กันยายน 2569

24 สิงหาคม 2569

วัน เดือน ปี ปี

NARIT (NATIONAL ASTRONOMICAL RESEARCH INSTITUTE OF THAILAND)

40-metre Thai National Radio Telescope (TNRT)

Southeast Asia's largest single-dish radio telescope, operating 300 MHz-115 GHz at the Thai National Radio Astronomy Observatory.

price on request



ครั้งแรกของไทยสู่การโคจรรอบดวงจันทร์

อุปกรณ์วิทยาศาสตร์ฝีมือคนไทย
CE-7 MATCH
Thai Scientific Payload
Chinese-7 Moon Array Thai Science Mission
เตรียมปล่อยขึ้นสู่อวกาศ กันยายน 2569

24 สิงหาคม 2569

วัน เดือน ปี ปี

NARIT (NATIONAL ASTRONOMICAL RESEARCH INSTITUTE OF THAILAND)

Thai National Radio Telescope

The Thai National Radio Telescope is a 40-meter diameter Nasmyth-Cassegrain single-dish radio telescope designed for observing celestial bodies and physical phenomena in the radio

Diameter	40-meter
Type	Nasmyth-Cassegrain single-dish radio telescope
Horizontal Rotation	360 degrees
Vertical Rotation	180 degrees

price on request



ครั้งแรกของไทยสู่การโคจรรอบดวงจันทร์

อุปกรณ์วิทยาศาสตร์ฝีมือคนไทย
CE-7 MATCH
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NARIT (NATIONAL ASTRONOMICAL RESEARCH INSTITUTE OF THAILAND)

Thai Robotic Telescope (TRT) Network

Network of remotely operated robotic telescopes at international sites for time-domain astronomy.

price on request

UK national measurement institute providing precision timing, frequency standards, and calibration services critical for satellite navigation and space systems.



NATIONAL PHYSICAL LABORATORY (NPL)

NPL Space Metrology and Calibration Services

UK National Physical Laboratory provides precision metrology and calibration services for satellite instrument validation and Earth observation calibration.

Services Precision metrology, sensor calibration

Applications Satellite instrument validation, E0 calibration

Country United Kingdom

price on request

Nautilus Navigation in Space

ISRAEL · 2021 · 1 PRODUCT

Nautilus Navigation in Space designs autonomous Guidance, Navigation, and Control (GNC) sub-systems, provides Flight Dynamics as a Service, and develops ground testing equipment for space missions.



NAUTILUS NAVIGATION IN SPACE

CubeDynA

Ground testing equipment for CubeSat ADCS closed-loop testing.

Supported platforms 1U to 12U CubeSats

Test mode Closed-loop ADCS testing

price on request

NBSPACE

THAILAND · 2021 · 1 PRODUCT

Thai CubeSat subsystems manufacturer and satellite solutions provider.



NBSPACE

NBSPACE Services

NBSPACE offers a comprehensive suite of services for space product development, testing, and operation, including an AIT Center, Prototyping Lab, Manufacturing Center, Satellite Co

price on request

Polish smallsat hardware company designing and manufacturing components and subsystems for CubeSats and small satellites, serving commercial and institutional space customers across Europe.



NEEDRONIX
Environmental Testing Services

Space environmental qualification testing for CubeSats and components — thermal vacuum (TVAC), vibration, shock, and EMC/EMI testing services with reporting.

Test types	TVAC, vibration, shock, EMC/EMI
Facility	In-house test equipment
Output	Full test reports for mission assurance
Customers	Other satellite developers and component suppliers

price on request



NEEDRONIX
Ground Station Services

CubeSat ground station services — UHF/VHF/S-band contact scheduling, telemetry archiving, on-demand pass booking, and mission operations center (MOC) support for satellite operator

Frequency bands	UHF, VHF, S-band
Services	Contact scheduling, telemetry archiving, MOC support
Data access	Cloud dashboard, standard format files
Booking	On-demand pass booking

price on request

Nigerian Communications Satellite Limited (NIGCOMSAT) is Nigeria's national satellite communications operator, providing broadcasting, transponder leasing, broadband, navigation and value-added satellite services across Africa, Europe and A



NIGCOMSAT
Nigerian Satellite Augmentation System (NSAS)

The Nigerian Satellite Augmentation System (NSAS) is a Satellite-Based Augmentation System (SBAS) providing navigation overlay services similar to EGNOS, broadcasting differential

Service Type	Satellite-Based Augmentation System (SBAS) / Navigation Overlay Service (NOS)
Augmentation Frequencies	L1 and L5
Broadcasting Satellite	NigComSat-1R
Pseudo Random Noise (PRN) Code	147 (currently undergoing test bed experimentation)

price on request

NOFFZ Technologies is a German manufacturer of universal test and automation systems, including RF test platforms and GNSS signal simulators for aerospace, defense, and automotive applications.



NOFFZ TECHNOLOGIES

Automated Multi-Purpose Tester UTP 9085

Fully automated, multi-station rotary/indexing end-of-line test system for high-volume electronics production.

Handling	Automatic rotary/indexing table through multiple test/inspection stations
DUT capacity	Dual-DUT or multi-nest configurations
Optional modules	Optical pin/connector inspection, label printing and application, automated sorting
Instrumentation	Modular UTP instrumentation for various signal types and power requirements
Software	UTP Software Suite (sequencing, variant management, data logging, traceability, MES/IT con

price on request



NOFFZ TECHNOLOGIES

Board-Level Tester UTP 9011 RF

Quad-DUT board-level RF functional tester with shielded RF chamber and interchangeable adapters for connected-car components.

DUT capacity	Up to 4 DUTs tested in parallel
RF chamber attenuation	Up to 60 dB
Adapters	Interchangeable adapters for different DUT variants
Instrumentation	Integrable Universal Wireless Tester (UWT) or third-party RF instrumentation
Signal conditioning	Integrable Signal Conditioning Unit (SCU)

price on request



NOFFZ TECHNOLOGIES

CATR Radar Test System UTP 5069

Compact Antenna Test Range (CATR) radar test system for calibrating large 4D and imaging radar sensors in a small footprint.

Test technology	CATR (Compact Antenna Test Range) with integrated parabolic reflector
Footprint	< 3.5 m2 base area
Frequency range (target simulator)	75 GHz - 82 GHz
Bandwidth	Up to 5 GHz
Target simulation	One or multiple targets

[price on request](#) [datasheet](#)



NOFFZ TECHNOLOGIES

End-of-Line Tester UTP 6010 RF

Compact low-channel-count RF functional and end-of-line test system for automotive and IoT modules.

Test type	RF functional test, end-of-line / board-level (FKT/EOL)
DUT capacity	Single DUT (Single Device Under Test)
Typical DUTs	eCall modules, NAD modules, connected gateways, TCUs, IAMs
RF chamber	Integrated NOFFZ RF chamber UTP 5070
Automation	Manual or robot-operated adapter

[price on request](#)



NOFFZ TECHNOLOGIES

End-of-Line Tester UTP 9010 RF

Scalable dual/multi-DUT RF functional test system with shielded RF chambers for infotainment and connected-car modules.

Test type	Parallel RF functional test, EOL
DUT capacity	Two or more DUTs in parallel
Signal types tested	5G, BT, WLAN, V2X, BroadR-Reach, CAN, A2B audio
RF chamber	UTP 5070, up to 60 dB RF attenuation, for over-the-air (OTA) test
Voltage/current range	Up to 1 kV / up to 1 kA

[price on request](#)



NOFFZ TECHNOLOGIES

GNSS Simulator sUTP 5017

The NOFFZ GNSS Simulator sUTP 5017 generates individual real-time simulations such as multi-band GNSS signals for GPS, GLONASS, Galileo, and BeiDou. It additionally creates interference

Supported Constellations	GPS, GLONASS, Galileo, BeiDou
Update Rate	1000 Hz
RF Channels	Up to 4 (via up to 2 SDRs)
Simulation Software	SDX by Orolia
Trajectory Definition	Up to 6 degrees of freedom

[price on request](#)



NOFFZ TECHNOLOGIES

Multi-DUT Burn-In / Screening Tester UTP 9065

Highly parallel, scalable UTP test system for long-term functional testing, environmental screening, and burn-in of electronic assemblies.

Test type	Multi-DUT burn-in, screening, long-term functional test
Environmental range	Approx. -40 degC to +85 degC in climate chamber
Parallelization	Multiple DUTs tested simultaneously (example configs up to 8 DUTs parallel)
Software	UTP Software Suite (sequencing, variant management, data logging, MES/IT connectivity)
Example configuration	Two drawers with 28 modules, flexible interfaces, RF tests, PXI-based automation

price on request



NOFFZ TECHNOLOGIES

Radar Test System UTP 5065

Compact near-field radar sensor test system with low-reflection absorber chamber for automotive radar validation and end-of-line test.

Test type	Direct near-field radar sensor test
Frequency range (target simulator)	75 GHz - 82 GHz
Bandwidth	Up to 5 GHz
Target simulation	One or multiple targets
Motion axes	2 axes (azimuth and elevation), optional goniometer or robot

price on request datasheet



NOFFZ TECHNOLOGIES

Universal Wireless Tester (UWT)

The Universal Wireless Tester (UWT), jointly developed by NOFFZ and National Instruments (NI), is a flexible, cost-effective non-signaling RF test platform addressing the growing n

Standards supported	5G NR, LTE, WCDMA, GSM, V2X, 802.11 a/b/g/n/ac/ax/p, BT, BLE, UWB
Platform	NI PXI-based, open and software-centric
RF switch	NOFFZ UMX universal RF switch, 32 bidirectional DUT ports, integrated signal conditioning
Scalability	Up to 128 RF channels using up to four NI vector signal transceivers and four UMXs
Additional capability	Waveform generation for GNSS and broadcast radio

price on request

NPK Barl

2013 · 1 PRODUCT

NPK Barl designs and manufactures ultra-small spacecraft and space instrumentation, including onboard satellite equipment and modular platforms, serving space agencies, operators, and universities.



NPK BARL

Grid

Grid is a cloud service that facilitates data exchange with satellites via a global network of ground stations, offering seamless on-demand connectivity.

Supported modulations	LoRa, GFSK, GMSK (extensible via SDR)
Ground stations deployed	4 (initial deployment)
Satellites tracked	16
Pricing	Fixed per-minute rate
Features	API integration, session booking, telemetry charts, cloud data storage

price on request

OhmSpace

ITALY · 2020 · 1 PRODUCT

Italian electric propulsion startup developing water-propelled resistojet thruster systems for nanosatellites and microsatellites, offering a safe, low-cost, and high-performance propulsion solution.



OHMSPACE

High-Vacuum Testing Service

Specialized vacuum chamber testing service available to external customers, achieving pressures down to 1×10^{-6} mbar for space component qualification and thruster characterization.

Minimum pressure	1×10^{-6} mbar
Facility type	High vacuum chamber
Use cases	Thruster testing, component qualification, outgassing, functional vacuum testing

price on request

ONDO Space

MONGOLIA · 2020 · 1 PRODUCT

Mongolian nanosatellite startup operating ONDOSAT-OWL CubeSats and offering IoT livestock tracking, ground station services, and rideshare launch coordination for LEO missions.

ONDO SPACE

Ground Station as a Service

Commercial UHF/VHF ground station access for nanosatellite operators needing contact passes in the Central Asia / Mongolia region.

Location	Ulaanbaatar, Mongolia
Frequencies	UHF (430–440 MHz), VHF (144–146 MHz)
Services	Contact pass scheduling, command uplink, telemetry downlink, data relay
Coverage Arc	Central Asia, Eastern Asia LEO passes

price on request

Chinese private launch-vehicle developer building the OS-X suborbital and OS-M orbital solid-fuel rocket families, and China's first privately funded company authorized to develop and manufacture launch vehicles.



ONESPACE TECHNOLOGIES
Xuanque Rugged Field Command Terminal

Ruggedized portable command-and-data terminal used to support launch and field test operations.

[price on request](#)

Orbcomm

ORBCOMM provides IoT solutions with hybrid satellite-cellular connectivity and advanced direct-to-device capabilities for asset monitoring and supply chain visibility.



ORBCOMM
ST 6100

The ST 6100 is a comprehensive satellite IoT terminal designed for reliable and cost-effective satellite IoT connectivity in remote locations.

[price on request](#) [datasheet](#)

Orbit Communication Systems

Orbit Communication Systems is a global leader in airborne, maritime, land, and ground-station communications, satellite-tracking, and new space connectivity solutions for commercial and government customers.



ORBIT COMMUNICATION SYSTEMS



ORBIT COMMUNICATION SYSTEMS

Audio Management Systems (Orion™, ADAMS NexGen, Radio Gateway)

This page describes three audio management systems: Orion™ for airborne audio, ADAMS NexGen for large crew special mission aircraft, and Radio Gateway for Unmanned Air Systems (UAS)

Orion™ Features	Patented Dual IP Ring topology
Orion™ Features	3D Audio
Orion™ Features	Adaptive Noise Reduction™
Orion™ Features	Voice-Activated Detection™
Orion™ Features	Software-Defined Radio (SDR) support

price on request [datasheet](#)

Gaia™ Earth Observation Ground Stations (100, 200, 300, 400 Series)

The Gaia™ series offers a range of compact, cost-effective, and high-performance terrestrial ground stations for reliable connectivity with LEO/MEO Earth Observation and constellat

Gaia™ 100 Features	No “key hole”, for continuous tracking
Gaia™ 100 Features	Real 3-axis system – EL, Tilt and AZ – for greater availability and reliability
Gaia™ 100 Features	Heavy duty by design for multi mission operation
Gaia™ 100 Features	Cloud connectivity ready
Gaia™ 100 Features	Built-in, step-track-based Advanced Control Loop, for superior performance

price on request [datasheet](#)



ORBIT COMMUNICATION SYSTEMS
OceanTRx 4 and OceanTRx 7 Maritime SATCOM Terminals

The OceanTRx 4 and OceanTRx 7 are rugged, stabilized maritime SATCOM terminals providing broadband connectivity for commercial and offshore vessels, supporting multiple frequency b

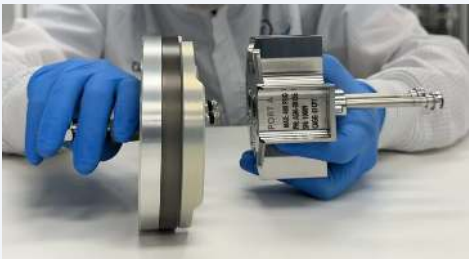
OceanTRx 4 Bands	X, Ku, Ka and wideband Ka
OceanTRx 4 Operation	Optional single- or dual-band simultaneous operation
OceanTRx 4 Connectivity	Worldwide connectivity over GEO, MEO and LEO satellites
OceanTRx 7 Antenna System Configurations	2.2m stabilized maritime antenna system configurations
OceanTRx 7 Frequency Bands	C, X, Ku and Ka (wideband and 03b)

price on request [datasheet](#)

Orbit Fab

UNITED STATES · 2018 · 1 PRODUCT

US in-space refueling company developing satellite fuel depots and propellant transfer interfaces to extend satellite lifespans and enable a sustainable refueling economy in orbit.



ORBIT FAB

RAFTI Ground Coupling (Pre-Launch Fueling Adapter)

The RAFTI Ground Coupling is Orbit Fab's launch-site fueling adapter that allows the RAFTI satellite refueling port to function as a standard fill-and-drain valve during grou

Compatible Interface	RAFTI (Rapidly Attachable Fluid Transfer Interface)
Flow indication	Visual operation indicators
FOD mitigation	Fully enclosed chassis
Flow channels	Independent flow per valve core (dual)
Compatible propellants	Hydrazine, Xenon, Krypton, H2O2, Water, Propene/Ethane

[price on request](#) [datasheet](#)

Orbit:Linx

UNITED KINGDOM · 2018 · 1 PRODUCT

Decentralized ledger technology (DLT) platform for scheduling, tokenizing and trading ground-station and satellite communications capacity.



ORBIT:LINX

Tokenized Ground Station Network

Decentralized network of public and private ground stations with tokenized, tradeable antenna capacity.

[price on request](#)

Orbital Systems

RUSSIA · 2009 · 1 PRODUCT

Russian NewSpace company providing full lifecycle development and production of CubeSat small satellites, deployment systems, and ground control stations.



ORBITAL SYSTEMS

Ground Station Complex

Turnkey ground station complex for CubeSat command, telemetry, and mission data reception, deployed at 7 university sites.

Deployed Stations	7
Locations	St. Petersburg, Kazan, Ryazan, Samara (×2), Astana

(KZ), Karaganda (KZ)

Capability Command uplink, telemetry and mission data downlink

Services Installation, commissioning, operator training

price on request

OSE (Optimized System Engineering)

INDIA · 1 PRODUCT

Optimized System Engineering provides end-to-end technology solutions, including automated test systems and product engineering, for government and Fortune 500 companies, with significant contribution



OSE (OPTIMIZED SYSTEM ENGINEERING) Command Data Modem (CDM)

The Command Data Modem (CDM) is a robust, high-performance communication system for real-time command transmission and telemetry reception between ground control stations and remot

price on request

Parsons Space

UNITED STATES · 3 PRODUCTS

US defense and technology prime contractor providing space systems engineering, missile defense integration, space domain awareness, and ground system development for US government programs.



PARSONS SPACE Ace CtrlPoint™

Ace CtrlPoint™ is an integrated, turnkey telemetry, tracking, and command (TT&C) satellite control software solution that automates common tasks to reduce workloads and streaml

price on request [datasheet](#)



PARSONS SPACE Dynamic Spectrum Environment Emulator (DYSE®)

DYSE® is an RF channel emulator that simulates realistic RF environments, including congested and contested conditions, for testing and evaluation of RF systems.

Tuning range	up to 20 GHz
IBW	>1 GHz
Path delay	>1 sec
RF paths	Up to 1024
Interconnection	Full-mesh

price on request



PARSONS SPACE

OrbitXchange™

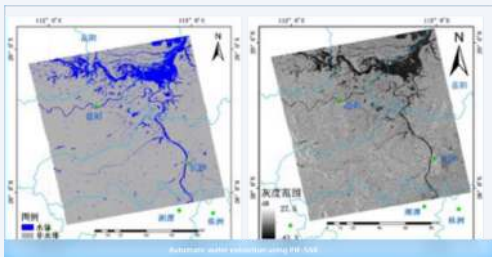
OrbitXchange™ is a commercial antenna service that provides automated, cybersecure, and globally distributed satellite communication solutions for spacecraft, leveraging existing c

price on request

PIESAT Information Technology

CHINA · 2008 · 1 PRODUCT

Chinese satellite Internet and remote sensing company operating SAR satellite constellations and the PIE geospatial software platform.



PIESAT INFORMATION TECHNOLOGY

PIE-SAR

PIE-SAR is a software solution for processing and analyzing radar image data from mainstream spaceborne Synthetic Aperture Radar (SAR) sensors.

Characteristics	Automatic and high-accuracy SAR block adjustment
InSAR processing	Whole-process InSAR processing
Decomposition	50% hierarchical decomposition
Segmentation	Superpixel segmentation
Application modules	Water body extraction, coastline extraction, ship detection, land cover change detection

price on request

South African Earth observation company operating a dedicated satellite antenna hosting site near Pretoria.



PINKMATTER SOLUTIONS

Antenna Hosting

Turnkey Earth observation antenna hosting service at Pinkmatter's site near Pretoria, South Africa.

Location	25°51'30"S, 28°27'10"E - Boschkop, Pretoria, South Africa, ~40 minutes from Johannesburg (
Altitude	1,350 m
Horizon mask	8 degrees or better at most site locations
Climate	Moderate temperatures, low wind, zero snowfall
RF environment	Low RF interference (low-density surrounding area)

price on request

Pumpkin, Inc.

San Francisco-based manufacturer of flight-proven CubeSat kits, SUPERNOVA nanosatellite buses, and spacecraft power/electronics components, with over 150 kits delivered and dozens of successful space missions since 2003.



PUMPKIN, INC.

Flight Switch Simulator Module

A CubeSat Kit test module that simulates one Remove-Before-Flight switch and up to three separation switches, electrically compatible with common CubeSat EPS designs.

Simulated RBF switches	1
Simulated Separation switches	Up to 3
Switch logic combination	AND / OR via user-settable jumpers
Bus compatibility	104-pin CubeSat Kit Bus standard



PUMPKIN, INC.

JFPC-C8051 Programming Adapter

A programming/debug adapter cable that connects a Silicon Labs USB Debug Adapter to a Pluggable Processor Module (PPM) B1 in a CubeSat Kit.

SKU	710-00488
Connector A	2x5 0.100" pitch header (10-pin JTAG, mates with Silicon Labs USB Debug Adapter)
Connector B	8-pin flat printed circuit cable (FPC)
Hardware Class	Development Hardware

Includes One fully assembled Flight Switch Simulator Module

\$425



PUMPKIN, INC.

JFPC-MSP430 Programming Adapter

A programming/debug adapter cable that connects a TI MSP430 Flash Emulation Tool (FET) to a Pluggable Processor Module (PPM) A1/A2/A3 in a CubeSat Kit.

SKU	634-00334
Connector A	2x7 0.100" pitch header (14-pin JTAG, mates with TI MSP430 FET)
Connector B	8-pin flat printed circuit cable (FPC)
Hardware Class	Development Hardware
Used With	Pluggable Processor Module (PPM) A1 / A2 / A3

\$50 [datasheet](#)

Used With Pluggable Processor Module (PPM) B1 / Silicon Labs USB Debug Adapter

\$50 [datasheet](#)



PUMPKIN, INC.

JFPC-PIC24 Programming Adapter

A programming/debug adapter used to connect a Microchip In-Circuit Debugger (ICD 3) or PICKit programmer to a CubeSat Kit Pluggable Processor Module (PPM D1/D2/E1).

SKU	710-00540
Price	\$50.00 per item
Hardware classification	Development Hardware
Connector 1	6-pin RJ-11 jack (for ICD 3 phone-style cable)
Connector 2	6-pin flat printed circuit (FPC) cable

\$50 [datasheet](#)



PUMPKIN, INC.

Load Board

A CubeSat Kit Accessories module (Load Board A) sold by Pumpkin for use during CubeSat integration and test.

SKU	711-00651
Price	\$255.00
Category (site breadcrumb)	CubeSat Kit Accessories
CAD/Datasheet file name (no link provided)	Load Board A

\$255



PUMPKIN, INC.

Load Module

A CubeSat Kit accessory module that exposes VBATT, +5V_SYS and VCC_SYS power buses on banana jacks and connectors for drawing or injecting test power.

VCC_SYS	+3.3V
+5V_SYS	+5.0V
VBATT	8-28V depending on application
Connectors	Banana jacks (x3 pairs); two 8-pin Harwin M80 connectors (J391, J390)
Configurable resistors	R1 (routes H2 pins 39/40 to J390), R2 (routes H2 pins 51/52 to J390) -- one fitted at fact

price on request



PUMPKIN, INC.
Rackmount SUPERNOVA Satellite Simulator (RS3)

A low-cost, portable 2U rackmount satellite simulator hosting a SUPERNOVA-based satellite simulator electronics stack running a stripped-down version of Pumpkin's flight-proven GUT

Form factor	2U rackmount unit
Flight software	Stripped-down version of Pumpkin's flight-proven GUTS FSW, option /01 included at no charge
Expansion	Up to three additional compatible 104-pin modules with I2C, SPI, RS232 or GPIO interfaces
Optional power supply	150 W power supply option to stand in for an EPSM1
Optional GNSS receiver	Available as additional-cost option

\$45 000 – \$60 485



PUMPKIN, INC.
Silicon Labs USB Debug Adapter

A USB-based JTAG debug adapter for programming and debugging Silicon Labs C8051-family microcontrollers used in Pumpkin's CubeSat Kit development hardware.

SKU	633-00489
Hardware Class	Development Hardware
Compatible With	Silicon Labs C8051F120 (PSPM B / PPM B1); JFPC-C8051 Programming Adapter

\$100 [datasheet](#)



PUMPKIN, INC.
Total Phase Beagle I2C/SPI Protocol Analyzer

A Total Phase Beagle I2C/SPI Protocol Analyzer offered by Pumpkin Space as a CubeSat Kit accessory for bus-level debugging.

SKU	634-00522
Price	\$495.00

\$495 [datasheet](#)



PUMPKIN, INC.
USB Debug Adapter

A USB-to-serial debug adapter that provides a debugging terminal interface and optional power to Pumpkin CubeSat Kit modules via a 4-pin FPC connector.

Connector	4-pin FPC serial terminal/debug connector
I/O logic level	Selectable 3.3V (default) or 5V
Power output	3.3V or 5V to connected device
Interface type	USB serial (USB-to-serial)
Product type	Development Hardware

[price on request](#) [datasheet](#)



PYXIS SPACE

EGSE Box & Software

The Pyxis Space EGSE Box & Software package provides a complete Electrical Ground Support Equipment solution for testing, characterizing, and qualifying Pyxis Space ADCS compon

PC Interface	USB
Software functions	Control, visualization, measurement analysis, firmware updates
Compatible products	All Pyxis Space ADCS sensors and actuators
Price	€5,000

€5 000



PYXIS SPACE

Star Field Simulator

The Pyxis Space Star Field Simulator is a hardware-in-the-loop test tool that generates synthetic star field images for functional testing of star sensors in a ground laboratory. B

Interface	USB-C DP or Micro-HDMI
Operation	Battery-powered stand-alone for air bearing table testing
Test capability	Hardware-in-the-loop functional testing of star sensors
Compatible sensors	Pyxis Nano, Multi-Head, and Micro Star Sensors
Price	€35,000

€35 000

QEYSSat (Quantum Encryption and Science Satellite)

CANADA · 2017 · 1 PRODUCT

QEYSSat is a Canadian Space Agency microsatellite mission to demonstrate quantum key distribution (QKD) from space, built by Honeywell (formerly COM DEV Canada) under a \$30 million contract.



QEYSSAT (QUANTUM ENCRYPTION AND SCIENCE SATELLITE)

Optical Quantum Ground Station (OQGS)

Primary quantum ground station for the QEYSSat mission, built by Honeywell and commissioned at CSA headquarters in Saint-Hubert, Quebec, providing the optical uplink for quantum ke

Type	Optical Quantum Ground Station (OQGS)
Link direction	Uplink (ground to satellite)
Photon source technologies	Weak coherent pulse (WCP), entangled photon source (EPS)
Optical band	Free-space optical (laser link)
APT system	Acquisition, Pointing, and Tracking for satellite tracking

price on request

Danish pioneer of drone-based RF testing and antenna measurement solutions for satellite antennas and electronic warfare, enabling cost-effective SATCOM ground segment testing without satellite access.



QUADSAT APS
QS RF Locator

Drone-based RF direction-finding system that locates sources of RF interference, RFI, and signal degradation on ground station antennas in real time.

Function	Drone-based RF interference localization
Platform	Autonomous UAV (drone)
Capability	Spatial triangulation of RFI sources
Use Case	Interference diagnosis at satellite ground stations
Integration	Quadsat cloud analytics platform

price on request



QUADSAT APS
QS RF Measurement System (QS 1-18 DL)

UAV-based RF antenna measurement system for satellite ground stations, covering 1–18 GHz (downlink), providing far-field pattern data without shutting down live links.

Frequency Range	1–18 GHz
Link Direction	Downlink (DL)
Measurement Method	UAV-based far-field pattern measurement
Platform	Autonomous UAV (drone)
Applicable Bands	L, S, Ku-band

price on request



QUADSAT APS

Quadsat Antenna Measurement System

Drone-based satellite antenna test and calibration system supporting the full antenna lifecycle, tailored for LEO and multi-orbit terminals.

Measurement capabilities	Pointing accuracy, tracking and handover, radiation pattern raster and cut, cross-polar di
Antenna types supported	Multi-beam, flat-panel, electronically steerable (LEO and multi-orbit)
Lifecycle coverage	Manufacturing QC, vendor type approval, factory/site acceptance testing, in-situ deployment
Test platform	Drone-mounted satellite signal emulator

price on request



QUADSAT APS

SatSim — Satellite Pass Emulator

UAV-based satellite pass emulator that flies real orbital trajectories for LEO/MEO satellites, enabling end-to-end RF link testing and autotracking validation against live-equivalence

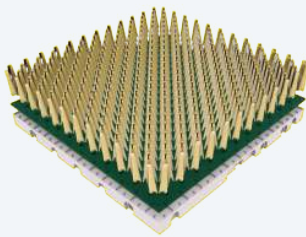
Function	Orbital trajectory emulation via UAV
Supported Orbits	LEO and MEO
Trajectory Input	TLE-based or custom pass definition
Test Capabilities	Autotracking, Doppler compensation, link budget, scheduling
Link Directions	Uplink and downlink

price on request

Quasar Satellite Technologies

AUSTRALIA · 2021 · 4 PRODUCTS

Quasar Satellite Technologies is an Australian company providing next-generation software-defined ground infrastructure for satellite communications and space domain awareness, based on proprietary multibeam phased array technology developed



QUASAR SATELLITE TECHNOLOGIES

ELARA X-Band Multibeam Ground Antenna

Australian-designed scalable, software-defined X-band multibeam antenna for simultaneous multi-spacecraft tracking and communications, with commercial and defence dual-use capabilities

Frequency band	X-band
Architecture	Scalable, modular multibeam
Control	Software-Defined, dynamic configuration and automated tasking
Operations	Continuous 24/7, resilient and secure design
Multi-spacecraft capability	Simultaneous tracking of multiple satellites (demonstrated: ELARA 1, ISS, NOAA 19, VANGUARD)



QUASAR SATELLITE TECHNOLOGIES

Quasar Sense — Space Domain Awareness System

Quasar Sense is the world's first all-of-sky RF emitter interrogator for space domain awareness, using multibeam phased array technology to simultaneously track, characterize, and

Product type	Space Domain Awareness (SDA) RF intelligence system
Technology	Passive multibeam phased array RF interrogator
Simultaneous targets	30+ satellites tracked simultaneously
Coverage	All-of-sky, 360 degrees, no blind spots
Operations	24/7 continuous monitoring

price on request



QUASAR SATELLITE TECHNOLOGIES

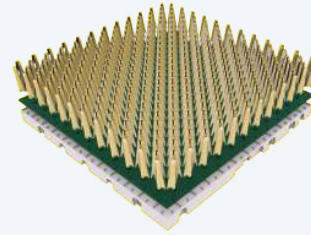
S-Band Multibeam Phased Array Ground Station

Quasar's first commercial ground station product: a compact, cryogenically cooled S-band phased array antenna capable of simultaneously communicating with multiple LEO satellites w

Frequency band	S-band
Beam count	Up to 100 simultaneous independent beams
Scanning	Full hemisphere, electronically steered (no mechanical movement)
Cooling	Cryogenically cooled (world's first for commercial SATCOM)
Architecture	Pure digital, true multibeam phased array

price on request

price on request



QUASAR SATELLITE TECHNOLOGIES

X-Band Multibeam Phased Array Ground Station

Quasar's second-generation ground station product: a modular, tiled X-band phased array supporting LEO satellite communications and space domain awareness with multiple simultaneou

Frequency band	X-band
Architecture	Modular tiled phased array, scalable
Beams per tile	2+ simultaneous steerable beams
Scanning	Full hemisphere, electronically steered
Design	Low SWaP-C (size, weight, power, cost)

price on request

Qwaltec

UNITED STATES · 2001 · 3 PRODUCTS

American space operations company providing mission control software, ground system engineering, and spacecraft operator training for government and commercial satellite programs.

QWALTEC

Control Center Development

Custom mission control center design, integration, and validation for space and defense programs, from single-satellite MOCs to multi-constellation ground networks.

Scope	Concept through testing and validation
Infrastructure	Workstations, displays, video controls, voice systems, mission timing
Validation	Network data flows, satellite comms, command capability verification
Scale	Single satellite MOC to multi-constellation ground network

price on request



QWALTEC

Ground System Operations and Engineering

Full-service spacecraft ground system operations and maintenance including on-console operations, engineering analysis, and support from development through de-orbit.

Scope	Development through de-orbit
Capabilities	On-console operations, ground system maintenance, engineering analysis, anomaly resolution
Mission Scale	Single satellite to large constellations

price on request

QWALTEC

OrbitCmd®

MOC-In-A-Box satellite command and control platform delivered as a virtual machine with 75% pre-configuration out of the box.

Delivery Format	Virtual machine (VM)
Pre-configuration	75% out of the box
Architecture	Pluggable, open-source foundation
Key Features	Commanding, telemetry processing, data visualization, scripting automation, time-series da
Target Users	Small satellite operators, startups, university missions

price on request

Radian Aerospace

UNITED STATES · 2015 · 1 PRODUCT

Radian Aerospace designs and manufactures fully-reusable orbital mission platforms and reentry vehicles for routine and affordable space access.



RADIAN AEROSPACE

Radian Reusable Reentry Vehicle (R3V)

The Radian Reusable Reentry Vehicle (R3V) is a modular, aerodynamically controlled, and recoverable vehicle designed to test advanced materials, sensors, avionics, and thermal prot

Flight profiles	High-speed, high-stress (launch through hypersonic transition, reentry, and targeted landi
Maximum speed	Exceeding Mach 5
Thermal Protection System	Radian's patent pending Dur-E-Therm

price on request

Global Ground Station as a Service (GSaaS) provider aggregating unused capacity of ground stations worldwide for satellite operators.



RBC SIGNALS

RBC Signals Fractional & Dynamic Spectrum Leasing and Ground Stations as a Service (GSaaS)

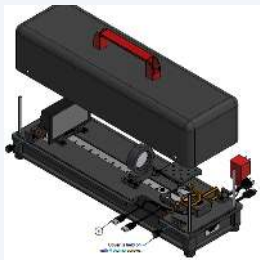
RBC Signals provides cost-effective spectrum leasing and Ground Stations as a Service (GSaaS) to enable service integrators to deploy private Industrial IoT (IIoT) networks over sa

Antenna Network Size	Over 80 antennas
Antenna Locations	More than 60 locations
Frequency Bands	All major frequency bands
Spectrum Type	3GPP-approved spectrum

price on request

Redwire Corporation

Redwire is an integrated aerospace and defense company that designs and manufactures advanced technologies for space and defense, including optical imaging, sun sensors, solar arrays, and spacecraft p



REDWIRE CORPORATION

Redwire Star Field Simulator

Hardware-in-the-loop star field simulator providing as-you-fly ground test operation of Redwire star trackers.

Dimensions (W x L x H)	8 x 24 x 7 in (200 x 610 x 180 mm)
Mass	11 lbs (5 kg)
Included equipment	Fixture, cabling, power supply, star field driver, laptop, SFS software suite
Operating modes	User-defined flight segments; externally driven closed loop; prerecorded night-sky data
Compatible star trackers	Model 82920 Star Tracker, Model 83190 SpectraTRAC



REDWIRE CORPORATION

Redwire Sun Sensor Stimulator System

Ground test stimulator system using infrared LEDs to optically verify sun sensor functionality, sun angles, and flight harnesses.

Stimulus type	Infrared LED illumination per sun sensor cell
Control panel power	120-240 VAC, 50/60 Hz
Effective operating temperature	-30C to +60C
Vacuum compatibility	Yes, vacuum-chamber compatible
Test functions	Sun angle, sun presence, spin pulse, aliveness, harness verification

price on request

[datasheet](#)

price on request [datasheet](#)

Redwire Space Belgium (ex-QinetiQ Space)

BELGIUM · 1988 · 1 PRODUCT

Belgian satellite systems facility in Kruibeke, formerly QinetiQ Space nv, acquired by Redwire Space in 2022; delivers entire satellites, avionics, and the International Berthing and Docking Mechanism (IBDM).



REDWIRE SPACE BELGIUM (EX-QINETIQ SPACE)

Redwire Space nv Facility (Kruibeke, Belgium)

The Redwire Space nv facility in Kruibeke, Belgium, manufactures satellites and major satellite equipment, including avionics and power systems, and contributes to the International

ISO7 cleanroom area	450 m ²
ISO8 cleanroom area	250 m ²
Certifications	ISO27001, EN9100

price on request

Robinson Aerospace Systems

AUSTRALIA · 2022 · 1 PRODUCT

Robinson Aerospace Systems provides hands-on educational CubeSat kits and STEM solutions for schools, universities, and businesses globally, aiming to inspire and educate students in space technology.



ROBINSON AEROSPACE SYSTEMS

Test Bench for RASCube Modules

The CubeSat Test Bench allows for easy testing and prototyping of RASCube modules by laying them out like a 'flatsat'. It connects modules as if they were stacked, and is available

Compatibility	RASCube V1, V2 and LB
---------------	-----------------------

price on request

Swiss-Swedish space components manufacturer providing satellite structures, thermal control products, payload electronics, and antennas for commercial and institutional programs.



RUAG SPACE
GSE Clampband

Ground support equipment clampband connecting spacecraft interface rings to test adapters during AIT, in PAS 937 S, 1194 VS and 1666 MVS sizes.

Clampband PAS 937 S	Manufactured per Ariane 5 User's Manual (Issue 5 Rev 2), Soyuz User's Manual (Issue 2 Rev
Clampband PAS 1194 VS	Manufactured per Ariane 5 User's Manual (Issue 5 Rev 2) and Soyuz User's Manual (Issue 2 R
Clampband PAS 1666 MVS	Manufactured per Ariane 5 User's Manual (Issue 5 Rev 2) and Soyuz User's Manual (Issue 2 R
Units delivered	More than 50 GSE clampbands
Services	In-house proof load testing without dummy equipment

price on request [datasheet](#)



RUAG SPACE
MPT-G Multi-Purpose Trolley Giga

Tiltable and rotatable MGSE trolley supporting spacecraft during horizontal or vertical integration, with a full set of EC safety interlocks.

Motion	Table tilts and rotates to any attitude between spin axis vertical and horizontal
Spacecraft interface	Transport and Handling Adapter (THA) or other test adapters
Materials	Aluminium alloy or carbon steel
Safety	EC-compliant interlocks: no rotating while tilting, no tilting while rotating, key-switch
Units delivered	Over 80 Multi-Purpose Trolleys in Europe and the USA

price on request [datasheet](#)



RUAG SPACE

Satellite Transport and Shipping Containers

Pressurized and non-pressurized spacecraft containers with thermal control, dynamic damping and air filtering, certified for air transportation.

Container types	Hat-off, tilt-lid, door-type roll-in, large An124-compatible, constellation-type
Thermal control	Full active and passive thermal control
Environmental control	Air filtering and drying or N2 purging
Constellation container temperature	19-25 degrees C during operation, -40 to 45 degrees C during transport
Constellation container humidity	Below 65% relH during operation, up to 100% relH during transport

price on request



RUAG SPACE

SCO-M Spacecraft Container Mega

Large-format spacecraft transport container from Beyond Gravity's spacecraft container line, for the biggest geosatellites and deep space spacecraft.

Product line	Beyond Gravity spacecraft containers (SCO)
Thermal control	Full active and passive thermal control
Environmental control	Air filtering and drying or N2 purging
Transport modes	Road, air, long-term storage; certified for air transportation on a wide range of aircraft

price on request

[datasheet](#)



RUAG SPACE

Spacecraft Lifting Devices

Electrical or manual lifting devices for instruments and spacecraft of all sizes, with fixed or convertible hoisting axis and optional CoG adjustment.

Actuation	Electrical or manual
Hoisting axis	Fixed, or convertible between horizontal and vertical configuration
Options	Remote control for lifting, centre-of-gravity adjustment
Range	From small instruments to very large spacecraft

price on request

German manufacturer (Wuerzburg) of pico/nanosatellite subsystems and tailored small satellite systems, with flight heritage tracing back to the first German pico-satellite UWE-1.



S4 - SMART SMALL SATELLITE SYSTEMS GMBH

UNISEC Europe Bus Starter Kit

Development kit for the standardized UNISEC Europe CubeSat bus, providing a satellite development board, subsystem prototype, and software starter kit for rapid CubeSat prototyping

Satellite bus connector	Compact/robust backplane, redundant power + high/low- speed digital buses, dedicated reset/
External debug interface	UART via USB bridge; JTAG, SBW, SWD programming/debugging; USB power supply (5V, 3.3V, unr
Power control circuit	OBC-controlled via redundant I2C, power switch, voltage/current monitoring, over/under-vol
Interface control circuit	Selective bus isolation, prevents current leakage during partial power down, OBC-controlle

price on request [datasheet](#)

Saankhya Labs

Indian SDR semiconductor company in Bengaluru; Prism SX software-defined radio platform supporting DVB-S2X/DVB-T2/ATSC 3.0 for VSAT terminals, satellite broadband, and direct broadcast receivers.



SAANKHYA LABS

Lehar S-band Broadcast Receiver

Lehar is a compact S-band satellite broadcast receiver that demodulates satellite signals and provides digital data over USB to a host system like a smartphone, tablet, or PC.

Frequency Band 2560 – 2590 MHz



SAANKHYA LABS

TARANG L-Band Multi-Channel Burst Demodulator

TARANG is an SDR-based L-Band Multi-Channel Burst Demodulator for Mobile Satellite Service (MSS) networks, deployed at the hub-side to receive and demodulate satellite signals from

Frequency Range 950-2150 MHz

Symbol Rate	144 Kbps – 5.5 Mbps
Dimensions	105mm x 74 mm
Weight	95 gms
Power Supply	USB Powered Low Power Consumption ~ 2W
price on request	

Frequency Tuning Step	1kHz
Frequency Acquisition Range	+ 5KHz
I/P Level Range	-45 to -70 dBm
I/P Impedance	50 Ω
price on request	

Saber Astronautics

AUSTRALIA · 2008 · 1 PRODUCT

Australian-US space operations company providing mission control software and Responsive Space Operations Centers for space domain awareness, satellite operations, and mission design.



SABER ASTRONAUTICS RSOC (Responsive Space Operations Centre)

The RSOC provides 24/7 mission operations and integrated space traffic management services from facilities in the United States and Australia.

Operations model	24/7, follow-the-sun, US and Australia
Scope	Tens of thousands of tracked objects, hundreds of thousands of untracked objects

price on request

SAIC Space

UNITED STATES · 1 PRODUCT

SAIC is a mission integrator that provides technology and innovation solutions, including secure multi-cloud, AI-driven tools, and data-driven interoperability, to federal and defense agencies.



SAIC SPACE Ground Systems Integration Services

End-to-end ground system architecture, integration, and operations support for US government and commercial satellite programs.

Service type	Ground system integration and operations
Customers	US government, commercial operators

HeritageNR0, NOAA, NASA programs

price on request

Satcube AB

SWEDEN · 2007 · 3 PRODUCTS

Swedish manufacturer (Goteborg) of ultra-portable Ku-band flyaway satellite terminals for defence, emergency response, and broadcast media, assembled in Karlstad, Sweden.



SATCUBE AB

Satcube Ku

Ultra-portable Ku-band flyaway satellite terminal delivering high-speed internet in under a minute anywhere in the world.

Dimensions	470 x 300 x 55 mm
Weight	8 kg
Environmental rating	IP65/IP67 water and dust proof
Power	24 VDC, 130 W; AC/DC 100-240 VAC, 47-63 Hz
Antenna TX	13.75-14.50 GHz (Ku band)

price on request

datasheet



SATCUBE AB

Satcube Motion

Compact vehicle-mountable on-the-move Ku-band satellite terminal, MIL-STD tested, launching autumn 2025.

Dimensions	500 x 500 x 290 mm
Weight	15 kg
Environmental rating	IP67 water and dust proof
Scan angles	Elevation 15-90 degrees; azimuth continuous 360 degrees
Power	48 VDC, 150 W; AC/DC 100-240 VAC, 47-63 Hz

price on request

datasheet



SATCUBE AB

Satcube Secure

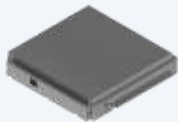
Hardened, FIPS 140-2 Level 3 certified portable satellite terminal for TRANSEC government and defence networks.

Dimensions	470 x 320 x 75 mm
Weight	9.5 kg
Environmental rating	IP65/IP67 water and dust proof
Power	24 VDC, 130 W; AC/DC 100-240 VAC, 47-63 Hz
Antenna TX	13.75-14.50 GHz (Ku band)

price on request

datasheet

Polish nanosatellite manufacturer and Earth observation company recognized by ESA as a 'Space Tech Rising Star', building CubeSat platforms, subsystems, ground stations, and hosted-payload missions.



SATREV (SATREVOLUTION)
SGRS-12P Ground Station

Fully autonomous all-weather ground station operating in UHF and S-band for LEO satellite tracking, TT&C, and DVB-S2 data downlink.

Bands	UHF (redundant TT&C), S-band (data downlink)
Enclosure	All-weather protective dome
Downlink protocol	Reduced-bandwidth DVB-S2 on S-band
Orbit compatibility	LEO satellite tracking
Operation mode	Fully autonomous

price on request [datasheet](#)

SERENUM Space is a CubeSat component and BUS manufacturer, integrator, and service provider based in Brno, Czech Republic, and a commercially oriented subsidiary of VZLU AEROSPACE.

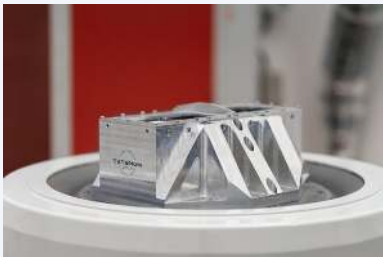


SERENUM SPACE
CubeSat Mechanical Ground Support Equipment (MGSE)

Integration jigs, vibration test pods, transport boxes, and display cases for 1U-8U CubeSats.

Vertical/Horizontal Support Jig material	Aluminium 2025, PA/PEEK clamps, Anodized/Alodine 1200 surface
Vertical Support Jig mass	1.170 kg
Vertical Support Jig size	220 x 220 x 87 mm
Vibration Jig sizes supported	1U, 2U, 3U, 6U, 8U
Vibration Jig material	Aluminium 7075, no treatment or anodized

price on request



SERENUM SPACE
Satellite Qualification & Acceptance Testing Services

Full-spectrum spacecraft environmental qualification and acceptance testing: vibration, shock, thermal-vacuum, and cleanroom services.

Mechanical test types	Resonance search, quasistatic, sine, random, shock
TV chamber volume	1000 x 1000 x 1000 mm
TV tunnel extension	10 m x 200 mm diameter
Max part dimensions (TV chamber)	950 x 870 x 780 mm
Vacuum level	< 10 ⁻³ Pa

price on request

Indian spacetech company building the world's highest resolution L & P band Synthetic Aperture Radar (SAR) payloads for satellites, aircraft and drones, plus Ground Penetrating Radar and hyperspectral imaging systems.

SISIR RADAR

HFF-AMF InnoWave 4 (Horizontal Far Field Antenna Measurement Facility)

Portable horizontal far-field antenna measurement facility delivering real-time 3D antenna radiation pattern and gain measurements.

Angular Precision

0.45 deg

Frequency Range

Customisable

Measurement Time (Per Plane)

5 minutes

Standard Dimension (L x W x H)

14 ft x 2 ft x 3 ft (customisable)

price on request

datasheet

SISIR RADAR

NF-AMF Hexahedron (Near Field Antenna Measurement Facility)

Fully automated near-field antenna measurement system with anechoic chamber, 5 mm scan spacing and far-field projection.

Maximum Scanning Area

1.5 m x 1.5 m

Scan Speed

100 scan points, 5 cm spacing (10x10), in 4 minutes

Scanning System

Horizontal Planar Measurement System

Provided Antenna RF Cable Length

5-8 m

Height

Adjustable as required

price on request

datasheet



SISIR RADAR

VFF-AMF InnoWave 4 (Vertical Far Field Antenna Measurement Facility)

Vertical far-field antenna measurement facility for real-time antenna radiation pattern and gain measurement over the full frequency range.

Angular Precision

0.45 deg

Frequency Range

Customisable

Measurement Time (Per Plane)

5 minutes

Standard Dimension (L x W x H)

9 ft x 9 ft x 12 ft (customisable)

price on request

datasheet

Czech manufacturer (Prague) of Space-Friendly CubeSat and PocketQube subsystems: GNSS/AIS/ADS-B antennas, BusCORE radio terminals, ADCS sensors, and dosimeters, in continuous orbital operation since 2017.



SKYFOX LABS S.R.O.

BusCORE Groundstation

50 W UHF amateur-band groundstation terminal matching BusCORE satellite radios, with variable bitrate modem, RF monitor port and 3U 19-inch rack chassis.

Type	State-of-the-art Hardware Accelerated Satellite Communication System
Frequency band	UHF 435.000-438.000 MHz (Amateur Radio Band)
Modulation / bitrate	2GFSK, 1200-38400 bps variable
RF output power	50 W SSPA @ 50 Ohms
RX sensitivity	-120 dBm @ 1200 bps 5% PER; -106 dBm @ 38400 bps 5% PER

\$9 790

Skykraft

AUSTRALIA · 2017 · 1 PRODUCT

Australian satellite company building a ~200-satellite constellation for space-based global air traffic management — ADS-B surveillance and VHF communications for oceanic and polar routes.



SKYKRAFT

Space-Based Surveillance (SBS) — ATM Services from Space

Skykraft's Space-Based Surveillance (SBS) service delivers global Air Traffic Management (ATM) surveillance and communications from its proprietary low-Earth orbit satellite

Service types	Surveillance (SBS), Voice Communications (SBS Voice), Data Communications (SBS Data)
Protocols	ADS-B, UAT, CPDLC, ADS-C
Availability	>99.9997% (dual redundancy architecture)
Separation standards	5 NM in congested airspace
Coverage	Worldwide including oceanic and remote regions

price on request

SkyLabs is a Slovenian space-technology company that designs and manufactures miniaturized, fault-tolerant on-board data handling, communications, power, ADCS/GNC and EGSE equipment for small satellites.



SKYLABS D.O.O.

skyEGSE-comm (S-band)

Ground station equipment for CCSDS-compliant, full-duplex communication over S-band RF link with NANOLink-2 equipment.

Type	CCSDS-compliant SDR ground station equipment
Frequency range	S-band
Error correction	Convolutional and Reed-Solomon codes
Compatible with	NANOLink-2, skyEGSE-GUI, NANOskey CMM SDK

price on request

SKYLABS D.O.O.

skyEGSE-comm (UHF/VHF)

Ground station equipment for CCSDS-compliant, full-duplex communication over UHF/VHF RF link with NANOcomm-2 equipment.

Type	CCSDS-compliant SDR ground station equipment
Frequency range	UHF/VHF
Error correction	Convolutional and Reed-Solomon codes
Compatible with	NANOcomm-2, skyEGSE-GUI, NANOskey CMM SDK

price on request



SKYLABS D.O.O.

skyEGSE-LINK2

USB interface dongle for high-speed, low-latency communication over CAN/LVDS/RS422 interfaces.

Standard	IPC Class 3+
MAIT	In-house
Interfaces	Two CAN buses, two high-speed LVDS (TIA/EIA-644), two RS422 (TIA/EIA-422)
Connectivity	USB Plug-n-Play

price on request

Skynopy provides an end-to-end ground station-as-a-service platform, giving satellite operators simple, high-throughput access to a global hybrid network of timeshared and proprietary ground stations for LEO satellite communications.

SKYNOPY

Skynopy Ground Station Service

An end-to-end hybrid ground station network service that connects satellites to the cloud with improved data volume, latency, and revisit time.

Funding

15M€

Ground sites in operation

18

Satellites operated

10+

Data rate improvement

x2 for your mission

Data volume/price improvement

Divide by 2 the price per data or x2 your data volume for the same price

price on request

datasheet



SKYNOPY

Skynopy Ground Station Services

Skynopy offers end-to-end ground station services, combining a timeshared antenna system with proprietary ground stations and virtualized modem technology to simplify satellite ope

Funding

15M€

Ground sites in operation

18

Satellites operated

10+

Data rate improvement

x2

price on request

datasheet

Santa Fe-based space communications company delivering the first commercial Wi-Fi in space — building IoT and broadband hardware for CubeSats, space stations, and lunar environments.



SOLSTAR SPACE

Deke Space Communicator

Narrowband bi-directional IoT relay for CubeSats, SmallSats, and launch vehicles — size of a deck of cards, connecting any internet-enabled Earth device to space assets.

Communication type

Narrowband, bi-directional

Form factor

~deck of cards

Network

Commercial satellite constellation

Security

End-to-end encryption + authentication

SWaP

Low (optimised for CubeSats)

price on request



SOLSTAR SPACE

Slayton Space Communicator

Broadband bi-directional space communications device — 24/7 high-speed internet, HD video, and large data downlink for ISS-class platforms and orbital payloads.

Communication type

Broadband, bi-directional

Connectivity

24/7 high-speed internet

Capabilities

Video streaming, video calls, large data downlink

Network

Commercial satellite constellation

Rating

Human spaceflight rated

price on request

Space Foundry

UNITED STATES · 3 PRODUCTS

San Jose, CA company pioneering plasma jet printing for direct-write conformal electronics manufacturing on complex 3D surfaces, with applications in space, aerospace, and in-space manufacturing.



SPACE FOUNDRY
PJP-CP26 Conformal Printer

Plasma jet printer for direct-write electronics on curved and complex 3D surfaces -- antennas, frequency-selective surfaces, and RF structures.

Process	Single-step atmospheric-pressure plasma jet printing, no pre- or post-treatment
Substrate type	Curved, vertical, and complex 3D surfaces
Applications	Printed antennas, frequency selective surfaces, IML/OML printing, sensors and RF structure
Target markets	Aerospace & defense, automotive

price on request [datasheet](#)



SPACE FOUNDRY
PJP-DT155 Desktop System

Compact plasma jet printing platform for R&D, process development, and proof-of-concept multi-material printing on planar surfaces.

Process	Single-step atmospheric-pressure plasma jet printing, no pre- or post-treatment
Target use	Corporate R&D, university research, process development
Substrate type	Planar surfaces
Materials	Copper, silver, and dielectric inks

price on request [datasheet](#)



SPACE FOUNDRY

Robotic Arm Integration Printer

Plasma jet print head integrated onto a robotic arm for conformal printing on complex 3D aerospace parts, including upside-down and OEM-integrated printing.

Process	Single-step atmospheric-pressure plasma jet printing, orientation independent
Integration	Robotic arm-mounted print head, OEM integration supported
Applications	Complex 3D parts, upside-down printing, aerospace manufacturing

price on request

Space Products and Innovation (SPiN)

ITALY · 2015 · 1 PRODUCT

SPiN (Space Products and Innovation) develops MA61C, a plug-and-play intelligent Command and Data Handling (C&DH) node that lets satellite manufacturers integrate subsystems from different suppliers without custom engineering, cutting design



SPACE PRODUCTS AND INNOVATION (SPiN)

MA61C EGSE

Plug-and-play Electronic Ground Support Equipment for monitoring and commanding satellite subsystems directly from a PC over USB.

Interfaces supported	SpaceWire, I2C, CAN, UART, MIL-STD-1553, GPIO
Host interface	USB
Software	Integrated API and Windows GUI for commanding and monitoring

price on request [datasheet](#)

SPACE-SI (Slovenian Centre of Excellence for Space Sciences and Technologies)

SLOVENIA · 2010 · 1 PRODUCT

Slovenian space R&D centre building small Earth-observation satellites, ground stations and satellite test facilities.



SPACE-SI (SLOVENIAN CENTRE OF EXCELLENCE FOR SPACE SCIENCES AND TECHNOLOGIES)

Stream Ground Station

Stream is SPACE-SI's next-generation LEO tracking ground control station in Ljubljana, Slovenia, for broadband and multiband satellite communications.

Frequency	Up to 40 GHz broadband/multiband LEO communications
Interface	Transportable LEO tracking ground station

price on request

Spacebel

BELGIUM · 1988 · 1 PRODUCT

Spacebel is a Belgian space systems and software engineering SME delivering mission-proven on-board software, ground segment systems, modelling & simulation platforms, and geospatial data intelligence solutions for the global space ecosyste



SPACEBEL
Ground Segment

SPACEBEL provides comprehensive ground segment solutions for satellite missions, covering mission operations, user operations, and payload data processing. These solutions range fr

price on request

SpaceBridge Inc.

CANADA · 1988 · 4 PRODUCTS

SpaceBridge Inc. designs and manufactures VSAT hubs, terminals, modems and RF equipment for satellite communication networks serving broadband, cellular backhaul, IoT, broadcast and defense applications.



SPACEBRIDGE INC.

MCR4 High Performance SCPC Receiver

The MCR4 High Performance SCPC Receiver offers HUB side support for SpaceBridge ESTELLA WaveSwitch™ service, accommodating up to 4 simultaneous connections per unit.

[price on request](#) [datasheet](#)



SPACEBRIDGE INC.

MCR8 High Performance SCPC Receiver

The MCR8 High Performance SCPC Receiver provides HUB side support for SpaceBridge ESTELLA WaveSwitch™ service, supporting up to 8 simultaneous connections per unit.

[price on request](#) [datasheet](#)



SPACEBRIDGE INC.

MOD1250 DVB-S2X Wideband Modulator

The MOD1250 is a DVB-S2X high-performance Software Defined Radio (SDR) modulator designed for High Throughput Satellites (HTS) VSAT networks, enabling connectivity through very high

Symbol rate	1.5 Msps to 500 Msps
Modulations	up to 256APSK
Roll-off factor	as small as 5%

[price on request](#) [datasheet](#)

SPACEBRIDGE INC.

SBM-90X Wideband GEO SCPC Professional Modem

The SBM-90X is a telco-grade, 19-inch rack-mountable modem offering high-throughput for demanding satellite communication applications, supporting Software Defined Networks and DVB

Aggregate throughput	Up to 1.47 Gbps (Symmetric 723Mbps)
Packet per second symmetric	Over 1 million (2M pps total)
Symbol rates	Up to 125 Msymbols/second

[price on request](#) [datasheet](#)

Spacecomm

POLAND · 2 PRODUCTS

Space Comm provides Ground Station as a Service (GSaaS) for small satellite missions in Low Earth Orbit, offering ground segment infrastructure, TT&C, and mission control software.



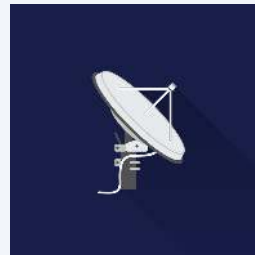
SPACECOMM

Ground Station as a Service

Spacecomm Ground Station as a Service is a scalable, fully managed ground station solution for small satellite missions in Low Earth Orbit. The service allows satellite operators to

Supported Bands	VHF, UHF, S-band
Polarizations	All (RHCP, LHCP, horizontal, vertical)
Tracking Precision	0.1 degrees
Amplification	Low Noise Preamplifiers at each band
Transceiver Type	SDR uplink and downlink

[price on request](#)



SPACECOMM

Ground Station as a Service (GSaaS)

Space Comm Cloud offers Ground Station as a Service (GSaaS) for small satellite missions in Low Earth Orbit, providing communication and data downlink capabilities from its central

Service type	Cloud-based satellite operations platform
Features	TT&C, telemetry processing, data management
Deployment	SaaS / cloud-based

[price on request](#)

Czech company (Brno) developing non-explosive, rapidly resettable hold-down and release actuators and initiation electronics for ground testing and qualification of spacecraft mechanisms.



SPACERACE S.R.O.
ATLAS ICU (Initiation Control Unit)

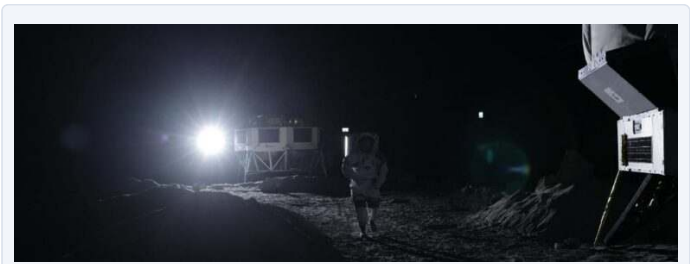
PC-controlled current-pulse generator and control electronics for synchronized initiation of release actuators in ground testing.

Actuation steps	Activation, arming, fire
Power source	50 A / 12 V / 600 W
Number of actuators	Up to 5 actuators (10 power lines)
Arming current	0.125 A
Status monitoring	LED and software

price on request [datasheet](#)

Spartan Space

Developer of smart habitats and life support systems for human exploration in space and extreme environments.



SPARTAN SPACE
CANDELABRA

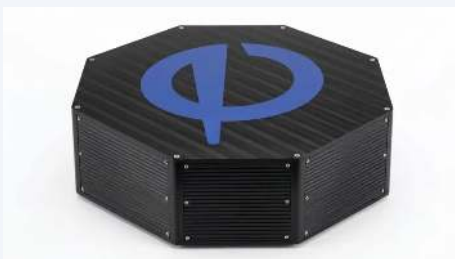
Precision artificial sun simulator for the ESA-DLR LUNA Analog Facility in Cologne, replicating the grazing-angle, high-contrast lighting conditions of the lunar south pole over a

System type	Artificial sun simulator / precision lighting array
Simulated environment	Lunar south pole lighting conditions
Coverage area	30 × 20 m
Lighting characteristics	Grazing incidence angles, tunable intensity, deep polar shadow patterns
Control system	Advanced programmable, tunable illumination

SpeQtral

SINGAPORE · 2018 · 1 PRODUCT

Singapore-based pioneer in satellite Quantum Key Distribution (QKD) enabling unconditionally secure global communications.



SPEQTRAL

Backend Quantum Unit (BQU)

Plug-and-play quantum receiver module for retrofitting existing optical ground stations to receive quantum signals and integrate into a satellite QKD network with minimal modification

Form factor	Compact (small form factor)
Power requirements	Low power
Interfaces	Standard interfaces
Mounting	Rear optical bench mount; custom mount available for other telescopes
Compatibility	Existing Optical Ground Stations of various configurations

price on request

SpinLaunch

UNITED STATES · 2014 · 1 PRODUCT

SpinLaunch develops a kinetic (non-combustion) launch system that uses a rotating vacuum-sealed accelerator to hurl launch vehicles toward space, and operates Meridian Space, a low-cost LEO satellite communications constellation business.



SPINLAUNCH

SpinLaunch Suborbital Accelerator

A 33-meter vacuum-chamber test and qualification system at Spaceport America that launches payloads at 800-5,000 mph, serving as SpinLaunch's development platform and as a satellite

Vacuum chamber span	33 meters
Test payload velocity range	800-5,000 mph
Location	Spaceport America, New Mexico, USA
Use cases	Development test flights, customer payload testing,

satellite qualification,
lunar-environ

price on request

SPUTNIX

RUSSIA · 2011 · 7 PRODUCTS

SPUTNIX is a Russian manufacturer of nanosatellite and microsatellite platforms, onboard subsystems and ground infrastructure, operating as a subsidiary brand of Sitronics Group.



SPUTNIX

Aerotable test bench for mutual movement of spacecraft

A frictionless air-bearing table for testing relative-motion, docking, and multi-satellite GNC algorithms.

Overall dimensions	5000x4000x3000 mm
Active area dimensions	1860x2480 mm
Platform carrying capacity	up to 10 kg
Working clearance between table surface and platforms	up to 0.5 mm
Working body	atmospheric air

price on request [datasheet](#)



SPUTNIX

Anechoic chamber

A modular, on-site-assembled anechoic chamber (200 MHz-45 GHz) for antenna pattern and EMC testing.

Working volume	not less than 2x2x2 m
Anechoic volume	0.7x0.7x0.7 m
Doorway dimensions	at least 1.9x1.9 m
Anechoic level	at least 20 dB (400-440 MHz range)
Shielding level	at least 40 dB (400-440 MHz range)

price on request [datasheet](#)

SPUTNIX

Mission Control Center (MCC)

Mission Control Center for centralized, automated control of a spacecraft or satellite constellation in Earth orbit. It aggregates data from all ground stations, then processes, an

Type	Mission Control Center (software & facility)
Function	Centralized automated control of spacecraft / constellations
Inputs	Aggregates telemetry from all ground stations
Operations	Data processing, analysis, storage and commanding

price on request



SPUTNIX

SX-GND-03 Laboratory UHF Transceiver

Laboratory UHF transceiver for working with satellites in lab conditions over the standard radio channel. Connects to a PC via USB and is controlled by Houston CC software, allowin

Type	Laboratory UHF transceiver
Frequency range	398-410, 435-438
TX output power	10 mW (10 dBm)
Power at antenna	28
Interface	mini-USB 2.0

price on request



SPUTNIX

SXL-AC-01 Anechoic Chamber

Anechoic chamber for testing spacecraft transceiver chains, antenna-pattern measurement, EMC testing and other purposes. Operates from 200 MHz to 45 GHz and is mobile, with a radio

Type	Mobile anechoic (EMC) chamber
Frequency range	0.2–45
External dimensions	$\geq 2 \times 2 \times 2$
Anechoic volume	$0.7 \times 0.7 \times 0.7$
Door opening	$\geq 1.9 \times 1.9$

[price on request](#) [datasheet](#)



SPUTNIX

Vyunok Educational Satellite Data Reception Station

"Vyunok" is an educational ground complex for receiving spacecraft radio signals, designed for experiments by schoolchildren and students. It operates within amateur-radio VHF/UHF

Type	Educational SDR receiving station
Frequency range	136–146 MHz, 435–438 MHz
Max data rate	≥ 9600
Polarization	RHCP (right-hand circular)
Antenna gain at zenith	3–4

[price on request](#)



SPUTNIX

Zavitok Satellite Ground Station (M / S-L)

Satellite reception and control ground station for mission control centers and education. Receives telemetry from small spacecraft in LEO and uplinks commands. The "Zavitok-M" (SXL)

Type	SDR satellite ground station
Survey antennas	2 × quadrifilar (VHF/UHF receive)
Directional antennas	2 × helical stack (UHF RX/TX)
RX frequencies	136–146 MHz, 430–440 MHz
TX frequencies	430–440 MHz (400–402 MHz)

[price on request](#)

SSBV Aerospace & Technology Group was a Dutch-led, technology-driven group of companies providing space and defence hardware, including smallsat subsystems, ground station equipment, and precision airdrop systems.



SSBV AEROSPACE & TECHNOLOGY
ERSDEM-2.5 High-Rate Modem

Compact high-rate demodulator for satellite ground station receive chains.

price on request



SSBV AEROSPACE & TECHNOLOGY
TM/TC IPU (Telemetry & Telecommand Interface Unit)

Telemetry and telecommand interface unit for satellite Electrical Ground Support Equipment (EGSE).

price on request



SSBV AEROSPACE & TECHNOLOGY
TTC-IMBU (Integrated Modem & Baseband Unit)

Integrated telemetry, tracking and command modem and baseband unit for satellite ground stations.

price on request

Surface Optics Corporation

US manufacturer of optical measurement instruments, hyperspectral imaging systems, and thermal control coatings, founded 1977 in San Diego by former Apollo-program aerospace engineers.



SURFACE OPTICS CORPORATION
410-DHR Reflectometer

A portable directional-hemispherical reflectometer that measures the integrated infrared surface reflectance of large objects in the field at two angles of incidence across six wav

Measurement type
Integrated directional-hemispherical reflectance



SURFACE OPTICS CORPORATION
SOC-100 Hemispherical Directional Reflectometer

The SOC-100 HDR is an automated reflectometer that measures polarized, angular diffuse reflectance, transmittance, and directional emittance in the 2.0 to 25.0 μm spectral range, o

Spectral Range
2.0 – 25.0 λ (μm) / 5000 – 400 cm^{-1} Range can be

Angles of incidence	20° and 60°
Wavelength bands	Six bands
Spectral range	0.9 to 12 μm
Interface	SOC410-DHR touchscreen interface with guided calibration, sample identification, and measu

[price on request](#) [datasheet](#)

	modified based on FTIR optics.
Method	Automated reflectometer 18" electroformed hemiellipsoid mated to Thermo Scientific™ Nicole
Calibration	Comparison of scans of the specimen sample and calibrated specular gold standard at each a
Source	A custom heated cavity provides uniform 2π steradian radiation into the subtended hemielli
Resolution	Depending on data requirement: 2, 4, 8, 16, or 32 cm^{-1} resolution may be employed.

[price on request](#) [datasheet](#)



SURFACE OPTICS CORPORATION SOC-210 Bidirectional Reflectometer

The SOC-210 BDR is an automated goniometer designed for precise and comprehensive measurement of Bidirectional Reflectance Distribution Function (BRDF) and Bidirectional Transmittance.

Spectral range	0.35-14 micron
Incident polar angle	0-85 degrees
Incident azimuth angle	0-360 degrees
Reflected polar angle	0-85 degrees
Reflected azimuth angle	0-360 degrees

[price on request](#) [datasheet](#)

Swedish Space Corporation (SSC)

SWEDEN · 1972 · 8 PRODUCTS

SSC Space provides ground station services, designs rocket and balloon systems, offers engineering and launch services, and conducts rocket engine testing.



SWEDISH SPACE CORPORATION (SSC) Ground Systems Engineering and Software Solutions



SWEDISH SPACE CORPORATION (SSC) LEOP Services

SSC offers ground systems engineering services, specializing in developing and customizing satellite monitor and control systems and providing tailored software solutions for space

price on request



SWEDISH SPACE CORPORATION (SSC)

Lunar Services

SSC Space offers a full range of lunar sub-services, including mission control, flight dynamics, tracking, and LEOP, utilizing a global network of large aperture antennas.

Data Rates	5 kbps to 80 Mbps
Frequency Bands	S, X, and Ka band
Antenna Network	Global network of large aperture antennas
Availability	Highest possible availability in a multi-mission concept
Redundancy and Diversity	High level for optimal service performance

price on request



SWEDISH SPACE CORPORATION (SSC)

Optical Ground Station (OGS)

The Optical Ground Station (OGS) provides high-speed optical communication links for satellites, offering multi-Gbps to Tbps data rates.

price on request

[datasheet](#)

SSC provides comprehensive Launch and Early Orbit Phase (LEOP) services, ensuring critical support for satellites from launch to their intended operational orbit.

price on request



SWEDISH SPACE CORPORATION (SSC)

Mission Operations and Operations Engineering Services

SSC provides comprehensive mission operations and operations engineering services for satellites and ground segments, covering the entire lifecycle from LEOPs to end-of-life activi

price on request



SWEDISH SPACE CORPORATION (SSC)

Satellite Ground Stations Network

SSC Space provides a global network of satellite ground stations offering communication services for satellites in various orbits, including LEO, MEO, GEO, lunar, and deep space en

price on request

[datasheet](#)



SWEDISH SPACE CORPORATION (SSC)
SSC Space Go

SSC Space Go is a global ground station network providing seamless and cost-effective access to satellite data for spacecraft in Low Earth Orbit (LEO). It offers streamlined and sc

price on request [datasheet](#)



SWEDISH SPACE CORPORATION (SSC)
Test support services

SSC Space offers test support services at Esrange for the development of rocket technology, including reusable launchers, environmentally friendly engines, and satellite components

price on request

Synspective Inc.

JAPAN · 2018 · 1 PRODUCT

Japanese SAR satellite operator providing Earth observation data and analytics from StriX constellation — infrastructure monitoring, land displacement, disaster response in cloud-penetrating X-band.



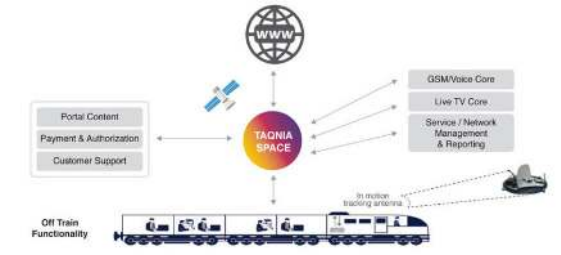
SYNSPECTIVE INC.
Ground Displacement Analytics

Synspective's InSAR-based analytics product detecting millimeter-level ground subsidence and infrastructure deformation from StriX SAR time-series data.

Technique	InSAR (Interferometric SAR) on StriX L-band time series
Measurement Precision	Millimeter-level (mm/year velocity)
Coverage	Up to 200×200 km per scene
Update Frequency	Monthly or quarterly
Detectable Causes	Groundwater extraction, underground construction, mining, geological

price on request

Taqnia Space provides High Throughput Satellite (HTS) terminals, secure satellite communications infrastructure, and aims for satellite manufacturing and geospatial services.



TAQANIA SPACE

Railway Communication on the Move (COTM) Service

TAQANIA SPACE provides a Communication on the Move (COTM) service for railways, offering broadband connectivity to trains via its global high-throughput satellite network.

price on request

TechTheMoon

The world's first incubator dedicated exclusively to the Moon, backed by CNES, supporting entrepreneurs developing solutions for sustainable human presence on the lunar surface.

TECHTHEMOON

Anyfields Fieldisplay — Antenna EM Radiation Visualizer

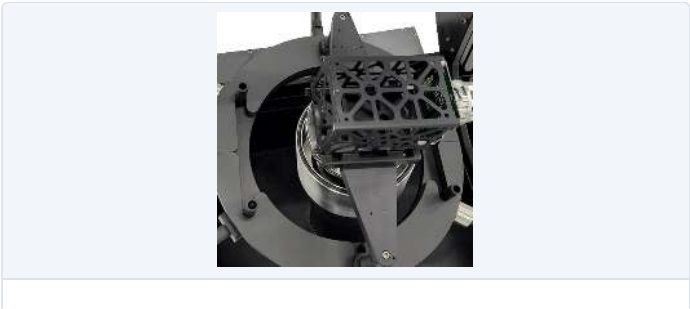
Fieldisplay, developed by Anyfields and incubated through TechTheMoon, is a system for visualizing electromagnetic radiation and measuring antenna performance. As connected systems

Function	Electromagnetic radiation visualization and antenna performance measurement
Applications	Satellites, drones, IoT devices, connected/autonomous machines
Measurement type	Radiation pattern, antenna gain, performance metrics

price on request

Tensor Tech (thermal)

Taiwanese ADCS company in New Taipei City; CMG control moment gyroscopes, sun sensors, magnetorquers, and integrated nanosatellite attitude control systems; ISO 9001 certified.



TENSOR TECH (THERMAL)

ADCS Testbed

Ground test facility for ADCS calibration, mass-properties measurement, and algorithm validation: air-bearing platform, triaxial Helmholtz cage, and solar simulator.

Air-Bearing Platform — Position of Center of Mass, manually adjustable (X, Y, Z axes)	25 mm (± 12.5 mm)
Air-Bearing Platform — Turbine Torque	5 µNm (typical)
Air-Bearing Platform — Travel Angle	< ± 12 deg for regular platform (Max. load 30 kg); < ± 22 deg for small platform (Max. loa
Air-Bearing Platform — Center of Mass Estimation Error	1.5 mm
Air-Bearing Platform — Moment of Inertia (MOI) Estimation Error	10%

price on request

TENSOR TECH (THERMAL)

Attitude and Heading Reference System and Inertial Reference Unit

The Attitude and Heading Reference System (AHRS) and Inertial Reference Unit (IRU) uses array-IMU technology to achieve tactical-grade performance with automotive-grade IMUs, prima

Yaw, Roll, and Pitch Accuracy	< 0.5 deg
Angular Velocity limit of the system	> ± 125 deg/second, configurable
3-axis Magnetometer	Optional
Update Rate	50 Hz
Operating Temperature Range	-20 ~ 80 deg C

price on request



TENSOR TECH (THERMAL)

TensorEGSE

Compact all-in-one Electrical Ground Support Equipment for testing and configuring Tensor Tech ADCS boards, CMGs, and FSS units.

Dimensions	164 x 96 x 27 (H) mm3
Available Controlled Power Supply Line	3.3 V, 5 V
Interface	UART, RS-485, RS-422/CAN
Supported Off-the-shelf Subsystem	Tensor ADCS-10m, ADCS-20m, ADCS-40m, CMG-10m, CMG-1, CMG-4, FSS-15M, FSS-30M
Platform	Linux

price on request

Developer of patented VICTS (Variable Inclination Continuous Transverse Stub) phased array antennas for commercial aviation in-flight connectivity, military SATCOM, ground terminals, and space payloads.



THINKOM SOLUTIONS, INC.
Mobile Satcom Antennas

Mobile Satcom Antennas are designed for vehicle-mounted satellite communication, offering high spectral efficiency and compatibility with wide-beam and HTS Ku-band services.

Compatible with	wide-beam and HTS Ku-band services
High spectral efficiency	up to 2 bits/Hz
Qualified for operation on	Intelsat Flex networks
Mounts on	any vehicle roof rack
Network and modem	agnostic

[price on request](#)[datasheet](#)



THINKOM SOLUTIONS, INC.
Portable Satcom Antennas (ThinPack family)

The ThinPack family of portable Satcom antennas are lightweight, compact, and require no assembly, offering high spectral efficiency for Ku and Ka-band services.

Spectral efficiency	up to 2 bits/Hz
---------------------	-----------------

[price on request](#)[datasheet](#)



THINKOM SOLUTIONS, INC.
VICTS Gateway Array Antenna

High-power VICTS gateway array antenna for LEO and MEO satellite constellation ground stations, delivering high EIRP for feeder link uplink applications.

Technology	VICTS
Applications	LEO/MEO ground station feeder link
Frequency Bands	Ka-band and V-band
Tracking	Simultaneous multi-satellite, rapid handover
Installation	Fixed-site outdoor

[price on request](#)



THINKOM SOLUTIONS, INC.
VICTS Ground Terminal – Mobile and Fixed SATCOM

VICTS-based ground SATCOM terminal for mobile and fixed deployments. Rapid beam reacquisition enables SATCOM-on-the-move on vehicles, ships, and temporary sites.

Technology	VICTS
Applications	Ground vehicle SATCOM, maritime, deployable sites
Frequency Bands	Ku-band, Ka-band
Reacquisition Time	<1 second
Orbit Compatibility	GE0 and LEO

[price on request](#)



THINKOM SOLUTIONS, INC.

VICTS Phased Array – Commercial In-Flight Connectivity Antenna

ThinKom's patented VICTS phased array antenna for commercial aviation in-flight connectivity on GEO and LEO satellite networks. Low-profile, high-gain, no T/R modules.

Technology	VICTS (Variable Inclination Continuous Transverse Stub)
Frequency Bands	Ku-band and Ka-band
Orbit Compatibility	GEO HTS and LEO constellations
Beam Steering	Full hemispherical, no T/R modules
Certification	Aircraft-certified (linefit and retrofit)

price on request



THINKOM SOLUTIONS, INC.

VICTS Special Mission Aero Antenna

VICTS antenna for military ISR aircraft, government special mission platforms, and HALE UAVs requiring high-data-rate SATCOM connectivity with low-observable profiles.

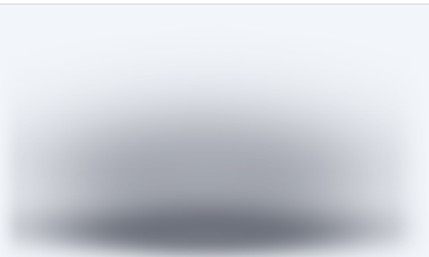
Technology	VICTS
Frequency Bands	X-band, Ku-band, Ka-band (MILSATCOM)
Applications	ISR aircraft, HALE UAV, government special mission
Qualification	Military environmental standards
Features	Anti-jam, encryption compatible, multi-orbit

price on request

Thorium Space Technology

POLAND · 2018 · 2 PRODUCTS

Polish manufacturer of active electronically steered (AESA) flat-panel phased array antennas and Ka-band satcom terminals, beamforming chipsets and communication payloads for LEO/MEO/GEO satellites.



THORIUM SPACE TECHNOLOGY

Satellite Terminals (Aurora / Ares)

Flat phased array satellite terminals with electronically steered beam in Ku and Ka bands, designed 100% in Poland.

Aurora Pro band	Ka
Ares band	Ku
TX Ka frequency range	27.5–31 GHz
RX Ka frequency range	17.7–21.2 GHz
Ka AESA Pro radiator array	16×16

price on request



THORIUM SPACE TECHNOLOGY

Suborbital Rocket Telemetry & Communication System

Complete bidirectional S/UHF/L-band telemetry and communication system for suborbital rockets, including conformal wraparound antennas, SDR transceivers, mobile tracking ground sta

Telemetry downlink band	S-band
Telecommand uplink band	UHF
GPS receive band	L-band
Wraparound Antenna S-Band TRL	V
Wraparound Antenna L-Band TRL	V

price on request

Canadian space company: Argus infrared spectrometers for nanosatellites, ground stations and deep-space network services.



THOTH TECHNOLOGY

Earthfence Deep Space Radar (GEO)

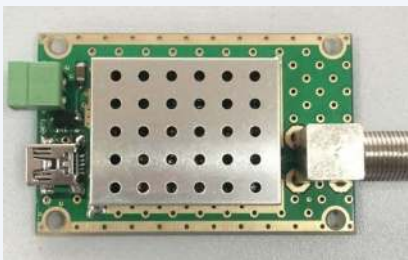
Fully digital, pulse-compression software-defined radar that tracks meter-scale objects in geostationary orbit, delivered as a data-as-a-service Space Domain Awareness capability.

Radar type	Fully digital, pulse-compression, monostatic, software-defined, passive RF
Tracking range	Up to 50,000 km GEO and beyond into extended-GEO (XGEO)
Ranging accuracy	Better than 25 m
Antenna network	46 m (Algonquin Radio Observatory, Canada); 30 m (Carnarvon, Australia); 32 m x2 (mainland)
Tracking duration	Continuous over hours to days for high-resolution orbit and range-rate determination

price on request

ThumbSat

US femtosatellite access-to-space provider; hosted-payload ThumbSat modules from about \$20,000 with launches via CAS Space, supported by the citizen-science ThumbNet ground-station network.



THUMBSAT

ThumbNet N3 SDR Receiver

Compact USB SDR receiver dongle for ThumbNet citizen-science ground stations, tuned for 400MHz-band ThumbSat downlink and ADS-B reception, built around the R820T2/RTL2832U chipset.

Tuner IC	R820T2
Demodulator	RTL2832U
EEPROM	24C02

Frequency range	24 MHz - 1766 MHz (approx. 13-1864 MHz with experimental drivers)
Input impedance	75 ohm
\$25.75	

Tianqi Satellite (Guodian Gaoke)

CHINA · 2015 · 8 PRODUCTS

Chinese satellite IoT operator; Tianqi (天启) LEO constellation for narrowband M2M communications; asset tracking, agriculture, energy, and industrial IoT in remote areas.



TIANQI SATELLITE (GUODIAN GAOKE)

Emergency Distress Terminal

An emergency distress terminal with dual Tianqi satellite communication and AIS maritime communication capabilities, featuring Beidou and GPS dual-mode positioning for enhanced res

Tianqi Communication Message Communication	Supports sending Tianqi messages containing time and location information
Tianqi Communication Operating Frequency Band	UHF
Tianqi Communication Transmit Power	≥30dBm
AIS Operating Frequency	161.975MHz, 162.025MHz
AIS Message Communication	Supports sending AIS standard messages containing time and location information

price on request

TIANQI SATELLITE (GUODIAN GAOKE)

LSC-F03

The LSC-F03 is a communication terminal designed for use with the Tianqi Constellation low-Earth orbit satellites, offering communication services in remote areas and integrating G

Dimensions	φ100mm×42.9mm [H]
Mass	465±5g
Interface	8-pin automotive connector
Ingress Protection	IP67 /IP68
Mounting	Screw M5 or others

price on request

TIANQI SATELLITE (GUODIAN GAOKE)

Satellite IoT Communication Terminal

An integrated satellite IoT communication terminal supporting 485 interface, autonomous data acquisition, and short message input/output via the Tianqi satellite constellation. It'

Message Communication	Max 120 bytes per message
Operating Frequency Band	UHF
Transmit Power	≥30dBm
Tianqi Link Receive Sensitivity	-125dBm
Receive Band	L1, 1575.42MHz; B1, 1561.098MHz

price on request



TIANQI SATELLITE (GUODIAN GAOKE)

Tianqi AIS Emergency Rescue Terminal Alarm-03

The Tianqi Alarm-03 is a marine emergency rescue terminal with AIS transmission capability. It sends standard AIS position reports with time and GPS/BDS location data, achieving a

price on request



TIANQI SATELLITE (GUODIAN GAOKE)

Tianqi Cold-Chain Container Monitoring Terminal

The Tianqi Cold-Chain Container Monitoring Terminal is a dual-mode (Tianqi satellite + 4G) IoT device for real-time monitoring and remote management of refrigerated shipping container

price on request



TIANQI SATELLITE (GUODIAN GAOKE)

Tianqi Communication Gateway

A high-performance, low-power communication gateway featuring a built-in Tianqi satellite IoT transceiver and GNSS module for remote monitoring and emergency communication, transmi

Message Communication	Max 120 bytes/time
Operating Frequency Band	UHF
Transmit Power	≥30dBm
Tianqi Communication Receiving Sensitivity	-132dBm
Positioning Receiving Frequency Band	L1, 1575.42MHz; B1, 1561.098MHz

price on request



TIANQI SATELLITE (GUODIAN GAOKE)

Tianqi Satellite Emergency Distress Terminal

This is an emergency distress terminal with Tianqi satellite communication capabilities, supporting the sending of time and location information. It features BeiDou and GPS dual-mo

Tianqi Communication Message Communication	Supports sending Tianqi messages including time and location information
Tianqi Communication Operating Frequency Band	UHF
Tianqi Communication Transmit Power	≥30dBm
Positioning Receiving Frequency Band	L1, 1575.42MHz; B1, 1561.098MHz
Horizontal Positioning Accuracy	Autonomous positioning <2.5CEP

price on request



TIANQI SATELLITE (GUODIAN GAOKE)

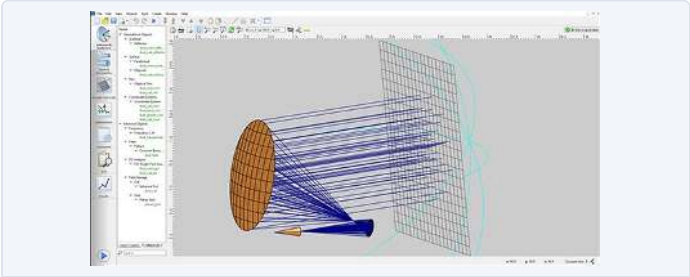
Tianqi Weather Monitoring Station

The Tianqi Weather Monitoring Station is an integrated meteorological monitoring product that uses a dual-mode communication system (Tianqi satellite communication + 4G) to ensure

PM2.5/PM10	PM2.5 0–1000 µg/m³; PM10 0–2000 µg/m³; resolution 0.1 µg/m³; accuracy ±15%
Wind Direction	Range 0–360°, resolution ±1°
Wind Speed	Range 0–70 m/s, resolution ±0.1 m/s
Temperature	Range –40...+60 °C, accuracy 0.5 °C
Humidity	Range 0–95 %RH, accuracy 3 %RH

price on request

Copenhagen-based developer of professional electromagnetic simulation software for antenna engineers, including GRASP (reflector antennas), CHAMP 3D (waveguide components), and TICRA Tools (integrated platform).



TICRA

TICRA Tools – Integrated Antenna Design Platform

Next-generation unified antenna design platform integrating reflector, array, and waveguide component analysis in a modern GUI for satellite and ground antenna engineers.

Integrated Software

GRASP, CHAMP 3D, POS, ESTEAM

GUI

Modern unified project-based interface

Scripting

Python API

Computation

Cloud-ready parallel processing

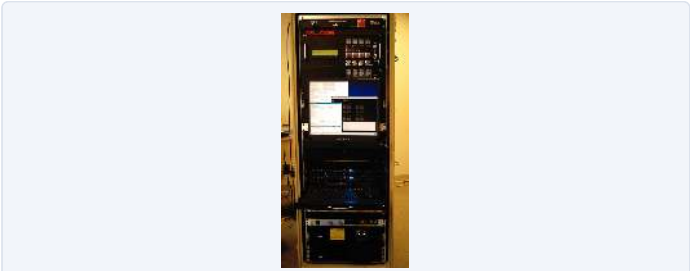
Analysis Methods

PO, PTD, MoM, GTD

price on request

Tiger Innovations, Inc.

US aerospace electronics firm (General Atomics subsidiary); solar array simulators, RF devices, EGSE, and payload testing for space programs.



TIGER INNOVATIONS, INC.

Integrated Test Rack (ITR) / Ground Support Equipment

Turn-key, modular EGSE rack for spacecraft command, control, and integration and test, running Tiger Innovations' StreamLINK software.

Rack Format

19" shock-mounted rack, up to 32U

Typical Components

Frame Sync Box, SC Control Box, Solar Array Simulator, GPS time sync, power supplies, UPS

Frame Sync Time-Tagging Accuracy

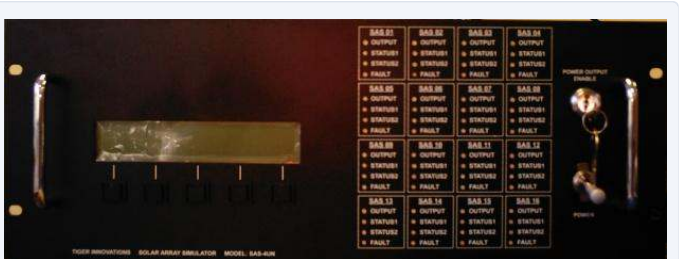
1 microsecond

Frame Sync Data Rate

DC through 4 Mbit/second

Backend Processing Delay

5 - 15 ms



TIGER INNOVATIONS, INC.

Solar Array Simulator (SAS)

Rack-mount EGSE that simulates spacecraft solar arrays with individually controllable IV curves for satellite integration and test.

Number of Channels (4U base)

8 - 16

Number of Channels (6U base)

8 - 24

DC Input Power (4U)

0 - 20A @ 5 - 60V from external supply

DC Input Power (6U)

0 - 60A @ 5 - 60V from external supply

Current Range (4U)

0 - 3 A per channel

price on request

datasheet

price on request [datasheet](#)

Trimble

UNITED STATES · 1978 · 1 PRODUCT

US positioning/geospatial technology company; mostly terrestrial GNSS, but its Alloy/NetR9 reference receivers are deployed in geodetic (IGS) networks used for satellite orbit and clock determination.



TRIMBLE

Trimble Alloy GNSS Reference Receiver

Multi-constellation GNSS reference receiver used as a Continuously Operating Reference Station (CORS), including in International GNSS Service (IGS) geodetic stations that support

GNSS chipset	Dual Trimble Maxwell 7, 672 channels
--------------	--------------------------------------

Constellations/signals	GPS L1/L2/L2C/L5; GLONASS L1/L2/L3; Galileo E1/E5a/E5b/AltB0C/E6; BeiDou B1/B2/B3; QZSS L1
------------------------	--

Carrier phase precision	<1 mm in 1 Hz bandwidth
-------------------------	-------------------------

Static positioning accuracy (horizontal)	3 mm + 0.1 ppm RMS
--	--------------------

Static positioning accuracy (vertical)	3.5 mm + 0.4 ppm RMS
--	----------------------

price on request [datasheet](#)

TRL Space

CZECH REPUBLIC · 2014 · 3 PRODUCTS

Czech mission integrator and space hardware builder behind the CAVE CubeSat deployer, TRONE/CRUSOE EGSE, and the TRACE/TROLL NG/TRULY satellite missions.



TRL SPACE

Test Space

Test Space is a comprehensive environmental testing facility offering thermal vacuum, electrodynamic shaker, and cleanroom services for hardware qualification, particularly suited

shaker force	45 kN (90 kN Shock)
--------------	---------------------

shaker Max dynamic payload	100 kg
----------------------------	--------



TRL SPACE

TILT

TILT is a two-axis rotation integration stand designed for CubeSats ranging from 6U to 16U, facilitating assembly, integration, and testing (AIT) with features for reduced handling

Integrate CubeSats of sizes from	6-16 U
----------------------------------	--------

Price of your Integration Stand	6,990 EUR
---------------------------------	-----------

Axes controlled rotation	2 axis
--------------------------	--------

shaker MAX frequency	2000 Hz (on 1050×1050 mm slip table)
TVAC TEMPERATURE RANGE	-70 to +200 °C
tvac ULTIMATE VACUUM	< 10 ⁻⁶ mbar
price on request	

TRL Level	9+
price on request	



TRL SPACE

TRONE & CRUSOE EGSE

Modular electrical ground support equipment platforms for satellite AIT: TRONE for full-scale payload emulation, CRUSOE as an entry-level FPGA-based tester.

TRONE - TRL level	4
TRONE - Availability	2028
TRONE - Interface support	SpaceWire, LVDS, CAN, RS-422, SPI, Ethernet, custom links
TRONE - Intended phase	Full AIT workflows
CRUSOE - Core architecture	FPGA-based platform

price on request

Tsd-space

ITALY · 1977 · 3 PRODUCTS

Italian space imaging and avionics company in Pozzuoli; cameras, focal plane arrays, image compression, OBCs, C&DH systems, power management, and ground segment equipment.



TSD - SPACE

EGSE and SCOE Ground Test Equipment

Family of Electrical Ground Support Equipment and Special Check-Out Equipment supporting numerous ESA and ASI missions.

Programs supported	PRISMA, SENTINEL-3, ISS EML, SAR-LUPE, ARG0, FOTON, VIRTIS/Rosetta/Venus Express, USV, TEX
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price on request



TSD - SPACE

EGSE and SCOE, Command & Telemetry Ground Units, TSD I/F Bridge

TSD offers a suite of ground segment products including Electrical Ground Support Equipment (EGSE) and Special Check-Out Equipment (SCOE), Command & Telemetry Ground Units, and

EGSE and SCOE Flight Heritage	Payload of PRISMA Hyper-Spectral Earth Observation Satellite; SCOE for SENTINEL-3 Program
Command & Telemetry Ground Units Architecture	PC-based Architecture with Windows OS
Command & Telemetry Ground Units Hardware	FPGA-based PCI Board for H/W coding/decoding algorithms

		execution
Command & Telemetry Ground Units HMI	User-friendly and Intuitive HMI	
Command & Telemetry Ground Units Configuration	Wide Range of configuration parameters and status	
price on request		

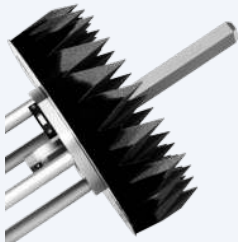


TSD - SPACE	
Ground Segment Products (EGSE, SCOE, Command & Telemetry Ground Units, TSD I/F Bridge)	
TSD offers a suite of ground segment products including Electrical Ground Support Equipment (EGSE), Special Check-Out Equipment (SCOE), Command & Telemetry Ground Units, and th	
EGSE for the Payload of	PRISMA Hyper-Spectral Earth Observation Satelllite
SCOE for	SENTINEL-3 Program (OLCI Camera SCOE, OLCI Instrument SCOE and MIL-STD-1553B SCOE)
EGSE for the	ISS EML Digital Video System
SCOE for ACS I/F and HK boards of	SAR-LUPE Satelllite Management Unit
SCOE for ACS I/F and HK boards of	ARGO Satelllite Management Unit
price on request	

TTI Norte

SPAIN · 1996 · 11 PRODUCTS

Spanish satellite ground systems company founded 1996 in Santander (now Celestia TTI, part of Celestia Technologies Group); makes SSPAs, LNAs, phased array/flat-panel antennas and RF passive components for satellite ground stations.



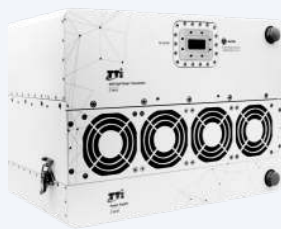
TTI NORTE	
Antenna Feeder System	
A range of antenna feeders including horns, probes, and dipole arrays, designed for low back radiation and low cross-polarization, covering frequencies from UHF to millimeter bands	
POLARIZATION	Linear single
DESCRIPTION	Linear-polarized horn antennas



TTI NORTE	
Antenna Polarisers	
High-performance waveguide polarisers for transmission and reception in Ku-band ground station antenna feed systems, with custom bands available.	
Transmission polariser	Ku-band
Reception polariser	Ku-band
price on request	

FREQUENCY	0.55 – 170 GHz
POLARIZATION	Linear dual
DESCRIPTION	Dual-linear polarized horn antennas

[price on request](#) [datasheet](#)

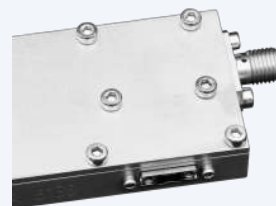


TTI NORTE C band SSPAs & BUCs

A new generation of GaN-based Solid State Power Amplifiers (SSPAs) and Block Upconverters (BUCs) for C-band satellite communication, offering outstanding performance for outdoor or

TYPE	C band outdoor SSPA/BUC
TECHNOLOGY	GaN
Psat	800 W
FREQUENCY	5.850–6.425 GHz
TYPE	Phase combined system

[price on request](#) [datasheet](#)

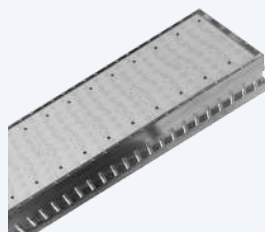


TTI NORTE Cryogenic LNA portfolio

A portfolio of cryogenic Low Noise Amplifiers (LNAs) offering outstanding performance for radioastronomy and quantum computing applications.

TYPE	W band Cryo LNA
FREQUENCY	72–116 GHz
NOISE TEMP.	31 K (avg)
TYPE	Q band Cryo LNA
FREQUENCY	31–50 GHz

[price on request](#) [datasheet](#)

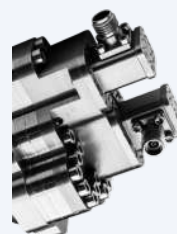


TTI NORTE MEGA Multi-Beam Electronic Antenna (MEOLUT Phased Array)

Electronically-steered, no-moving-parts L-band phased array antenna for simultaneous multi-satellite Galileo/GLONASS/GPS Search & Rescue (MEOLUT) tracking.

Frequency band	L-band
Antenna type	Planar phased array, no moving parts
Simultaneous signals	Up to 6
Compatible constellations	Galileo, GLONASS, GPS
Beam steering	Electronic, instantaneous

[price on request](#)



TTI NORTE Orthomode Transducers (OMTs)

Waveguide orthomode transducers separating dual-polarized transmit/receive signals in ground station antenna feed chains, from very low frequency up to V-band.

OMT Full-Band Q/U/V	Q/U/V band
OMT Full-Band K/Ka	K/Ka band
OMT Full-Band	up to 18 GHz

[price on request](#)



TTI NORTE

Outdoor Frequency Converter (UPC-Ext)

The UPC-Ext is an independent outdoor up-converter module available in various versions for Ku or DBS bands, designed for installation close to GaN SSPA units.

TYPE	Q band Down converter, dual channel
INPUT FREQ.	39.3 – 39.8 GHz
OUTPUT FREQ.	950 – 1450 MHz
TYPE	DBS band Up-converter
INPUT FREQ.	950 – 2050 MHz

[price on request](#) [datasheet](#)



TTI NORTE

Remote Control Unit M&C GaN SSPA/BUC/UC Systems Indoor

An indoor Remote Control Unit for monitoring and controlling GaN SSPAs, BUCs, and UCs in redundant systems.

Dimensions (L x W x H)	404 x 220 x 151 mm
Supply	180-305 VAC, 47-63 Hz
Operating temperature	-30 °C to +55 °C
Storage temperature	-40 °C to +85 °C

[price on request](#)



TTI NORTE

Remote Control Unit M&C GaN SSPA/BUC/UC Systems Outdoor

A weatherproof Remote Control Unit for monitoring and controlling GaN SSPAs, BUCs, and UCs in outdoor redundant and phase-combined configurations.

Dimensions (L x W x H)	404 x 220 x 151 mm
Supply	180-305 VAC, 47-63 Hz
Operating temperature	-30 °C to +55 °C
Storage temperature	-40 °C to +85 °C

[price on request](#)



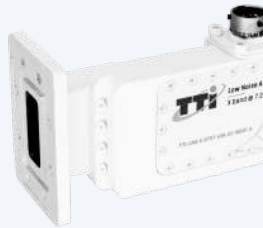
TTI NORTE

RF Management Units

Celestia TTI's RF Management Units provide flexible solutions for SATCOM Ground Stations, offering RF interface and switching capabilities for signal routing, distribution, amplifi

Functions	Signal routing, distribution, amplification, attenuation, monitoring, filtering, frequency
Interfaces	Front-panel GUI and web-based remote MMI
Certification	CE
Redundancy	Redundancy management units available

[price on request](#) [datasheet](#)



TTI NORTE

X-Band LNA for Earth Observation & Lunar Communications

New-generation low-noise amplifiers (LNAs/LNBs) for X-band satcom ground stations, engineered for earth observation and lunar communication receive chains.

Variant 1 frequency	7.9 - 8.5 GHz
Variant 2 frequency	8.0 - 8.5 GHz
Variant 3 frequency	8.4 - 8.5 GHz
Noise temperature (all variants)	< 50 K

price on request

TY-Space Technology

CHINA · 5 PRODUCTS

Chinese manufacturer of high-precision star trackers, sun sensors, star simulators, and attitude control modules for satellites, with over 1,000 units flown on-orbit.



With global star map, DSS-25 is for testing all function and performance of the star tracker @ whole global simulator test. DSS-25, 400g, is designed for all function and performance tests @ environment testing, such as thermal vacuum and atmospheric thermal cycle, after the star trackers mounted on the satellites. DSS-25 receive the quaternion from the simulator computer and output the real-time star patterns by 422 or UDP connector for the satellite. Semi-physical simulation test.

TY-SPACE TECHNOLOGY

Dynamic Star Simulator DSS-25

Ultra-compact TY-Space Dynamic Star Simulator (DSS-25) designed for all function and performance testing of star trackers mounted on satellites.

Field Of View	20x20 deg
Magnitude	2 to 6.5 Mv
Accuracy	30" [3sigma]
Update Rate	>= 40 Hz
Resolution	2560x2560

price on request



With global star map, DSS-14 is for testing all function and performance of the star tracker @ whole global simulator test. DSS-14 is used for testing all function and performance of the star tracker @ the environment experiments such as thermal vacuum and atmospheric thermal cycle. DSS-14 receive the quaternion from the simulator computer and output the real-time star patterns by 422 or UDP connector for the satellite. Semi-physical simulation test.

TY-SPACE TECHNOLOGY

Dynamic Star Simulators (DSS-14)

The TY-Space Dynamic Star Simulators (DSS-14) is an instrument designed for function and performance testing of star trackers, offering adaptability to various star tracker brands.

Field Of View	20°x20°
Magnitude	2 ~ 6.5 Mv
Accuracy	30" [3σ]
Update Rate	≥ 40Hz
Resolution	1440 × 1440

price on request



TY-SPACE TECHNOLOGY

Dynamic Test System

TY-Space Dynamic Testing System (DTS) is mainly formed by a star tracker, a Dynamic Star Simulator (DSS), and an image acquisition system for satellite semi-physical simulation tes

Dynamic Star Simulator	Receives quaternion from simulator computer; outputs real-time star field for satellite se
Star Tracker - Attitude Accuracy (pointing/rolling)	3"/50" [3sigma]
Image Acquisition System	Image acquisition, real-time display and storage

price on request



For testing the function of the Star Tracker, OSPS work well in environmental experiments such as thermal vacuum and thermal cycling. OSPS also be used performing star tracker polarity and data stability testing. OSPS is an important instrument in star tracker development and satellite application testing.

TY-SPACE TECHNOLOGY

Optical Star Pattern Simulator (OSPS)

The TY-Space Optical Star Pattern Simulator (OSPS) is a static star simulator designed for testing the function and performance of star trackers, including in environmental experim

Field Of View	15°×15°
Number of Stars	>15
Sky District	North Pole Area / Customization
Optics / Illumination	Collimating / LED
Dimension	Φ65mm×73mm

price on request



TY-SPACE TECHNOLOGY

Static Test System

TY-Space Static Star Testing System (SSTS) is mainly formed by a star tracker, an Optical Star Pattern Simulator (OSPS), and an image acquisition system.

Optical Star Pattern Simulator	Static star simulator, North Pole Area/Customization
Star Tracker - Attitude Accuracy (pointing/rolling)	3"/50" [3sigma]
Image acquisition system	Image acquisition, real-time display and storage

price on request

French leader in space-based RF maritime surveillance; BRO nanosatellite constellation geolocates dark/AIS-off vessels worldwide.



UNSEENLABS

Multi-Domain RF Awareness — Next Generation Service

Next-generation space-based RF surveillance expanding beyond maritime into land, air, and space domains with microsatellites and GNSS interference detection capability.

Constellation generation	Second generation – microsatellites (upgrade from nanosatellites)
Surveillance domains	Maritime, land, air, space
New capability	GNSS interference (jamming/spoofing) detection and characterization from orbit
Spectral coverage	Broader frequency spectrum monitoring; expanded multiband collection
Status	In development – upcoming launch program

price on request



UNSEENLABS

RF Intelligence Reports — Customized Maritime Analysis

Tailored RF intelligence reports combining satellite-derived RF data with contextual analysis, data fusion, and expert interpretation for actionable maritime domain awareness.

Report types	Intelligence reports, situational context analysis, forensic investigations, due diligence
Data fusion sources	RF detections, AIS, SAR, optical imagery, VMS, open-source intelligence
Historical data availability	Yes – historical RF datasets available for retrospective analysis
Urgent request handling	Priority collection campaigns available for time-sensitive scenarios
Data classification	Non-classified – shareable without handling restrictions

price on request



UNSEENLABS

RF Maritime Surveillance — Standard Data Service

Space-based RF detection service that geolocates and classifies vessels at sea including dark ships, covering over 300,000 km2 per satellite pass.

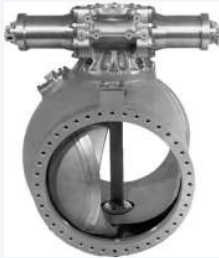
Coverage per pass	~300,000 km2 per RF data collection
Geolocation accuracy	Up to kilometer-level accuracy
Revisit time	Multiple times per day over the same area
Data file size	Less than 1 MB per collection file
Detection range	Unlimited – far beyond shorelines

price on request

VACCO Industries

UNITED STATES · 1954 · 1 PRODUCT

US manufacturer of precision fluid control components and integrated propulsion systems for spacecraft, with 70+ years of heritage. Products include micro propulsion systems, valves, pressure regulators, and CubeSat propulsion modules.



VACCO INDUSTRIES

VACCO ΔTEL Differential Pressure Indicator

A differential pressure indicator that provides visual or remote warning when a filter element is nearing the end of its service life, designed for reliability and high G-load tran

Material	Aluminum (std), Corrosion Resistant Steel (optional)
Seals (Electrometric)	Buna “N” (std), Viton (std), EPR (std), Others Upon Request
Operating Pressure	5,000 psig
Proof Pressure	7,000 psig
Burst Pressure	12,500 psig

price on request [datasheet](#)

US satellite communications company operating GEO broadband constellation (ViaSat-3), government/military communications, and in-flight connectivity — merged with Inmarsat in 2023.



VIASAT, INC.

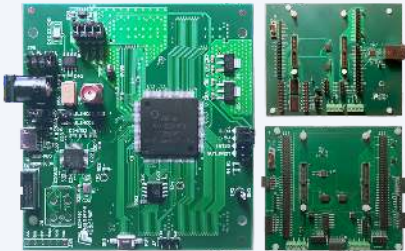
Viasat Multi-Mission Terminal (MMT)

The Viasat Multi-Mission Terminal (MMT) provides rapidly deployable, multi-band, and multi-orbital broadband for IP communications globally, designed for seamless adaptation to var

price on request [datasheet](#)

VORAGO Technologies

VORAGO Technologies designs radiation-hardened ARM microcontrollers and processors for space and extreme-environment applications using patented HARDSIL technology.



VORAGO TECHNOLOGIES

PEB1 VA416X0 Radiation-Hardened MCU Development Kit

The VORAGO PEB1 is the primary development and evaluation platform for the VA416X0 family of radiation-hardened ARM Cortex-M4 microcontrollers (VA41620 and VA41630). The kit compri

Target MCU Options	VA41620 or VA41630 (ARM Cortex-M4, HARDSIL)
SBC Dimensions	3.15 x 3.3 inches
Boot NVM (SBC)	256 KB SPI FRAM
Clock Generation	20 MHz - 80 MHz programmable
Crystal Oscillator	10 MHz

price on request

Vyoma provides cloud-native satellite operations, flight dynamics, and space domain awareness services powered by AI and a proprietary SSA satellite constellation.



VYOMA GMBH
Flight Dynamics Service

Cloud or on-premise SaaS for orbit determination, propagation, manoeuvre planning, and collision avoidance with built-in satellite safety from day one.

Delivery model	Cloud-based or on-premise SaaS
Orbit prediction horizon	7–14 days (ODMs with mean state and covariance)
Core functions	Orbit determination, propagation, manoeuvre planning, pass prediction, event detection
Output formats	Orbit Data Messages (ODMs), Tracking Data Messages (TDMs)
Collision avoidance	Built-in standard feature

price on request



VYOMA GMBH
Satellite Operations Service

End-to-end automated satellite operations SaaS integrating flight dynamics, mission planning, mission control, and telemetry storage to scale from one satellite to full constellations

Delivery model	Cloud-based or on-premise SaaS
Included modules	Flight dynamics, mission planning, mission control, telemetry storage
Automation level	Full automation with configurable human oversight modes
Scalability	Single satellite to large constellations
Security	Security-by-design, multi-location backup

price on request



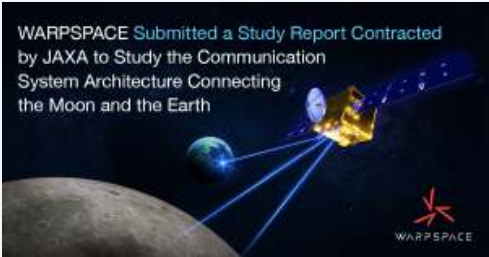
VYOMA GMBH
Satellite Safety Service

Cloud-based space traffic management SaaS delivering collision warnings, avoidance manoeuvre recommendations, and trajectory screening for satellite operators.

Delivery model	Cloud-based SaaS subscription
Tiers	Monitor (free), Plan, Save
Conjunction screening	Against full catalogue including uncatalogued debris
Orbit prediction horizon	7–14 days
CAM constraints supported	Propulsion type, delta-v budget, eclipses, regional anomalies

price on request

Japanese space-communications startup building WarpHub InterSat, a MEO optical inter-satellite data relay network for near-real-time downlink of LEO Earth-observation data.



WARPSPACE INC.
Digital Twin System (DTS)

Satellite constellation digital twin emulator specialized for optical communications mission planning, validation, and operational simulation.

Product type	Satellite constellation digital twin emulator software
Specialization	Optical communications mission planning and validation
Simulation scope	Satellite behavior, system interactions, data flows
Link modelling	Free-space optical ISL link budgets, pointing/acquisition
Use cases	Mission planning, anomaly rehearsal, constellation optimization, onboarding validation

price on request



WARPSPACE INC.
WarpHub InterSat

World's first commercial optical inter-satellite data relay network service, using three MEO relay satellites to provide 1 Gbps+ near-real-time downlink connectivity for LEO Earth

Service type	Optical inter-satellite data relay network
Constellation size	3 relay satellites
Relay orbit	MEO, 8,000–10,000 km altitude
User satellite orbit	LEO, 500–1,000 km altitude
ISL data rate (user to relay)	≥1 Gbps (optical)

price on request



WARPSPACE INC.
WarpON! (WarpHub InterSat Onboarding Solutions)

Comprehensive guided onboarding service providing all tools, software, and support for Earth observation satellite operators to integrate optical communications and connect to the

Service type	Optical communications integration and onboarding
Scope	Terminal selection, HOCSAI modem integration, operations software, anomaly support
Simulation support	Digital Twin System (DTS) pre-launch mission validation
Target customers	LEO Earth observation satellite operators
Network access	Integration with WarpHub InterSat MEO relay constellation

price on request

WiRan

POLAND · 2002 · 1 PRODUCT

Polish RF/microwave company in Gdynia, founded 2002; L/S/X/Ku-band components, space-grade diplexers and filters, and EMC testing laboratory services.



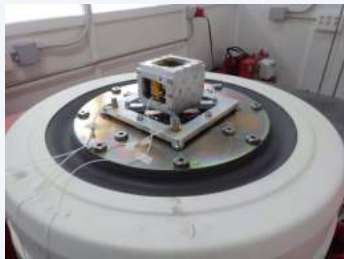
WIRAN
S-Band Test Cap

The WiRan S-Band Test Cap is a precision-engineered accessory for full-duplex testing of S-band antennas on satellites, operating within the 2025–2290 MHz frequency range.

Frequency range	2025-2290 MHz
Return Loss	>15 dB
Gain	Avg. -25 dB
Flatness	±2 dB
Power Handling	10 Watt

price on request [datasheet](#)

PocketQube deployer and vibration test equipment maker, plus mechanical engineering consultancy for small-satellite developers.



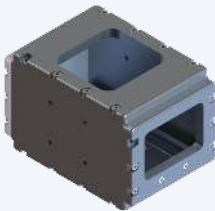
WYRM ENGINEERING

1.5P VibePOD

The 1.5P VibePOD is a test fixture designed for random vibration testing of 1.5P Pocketqubes, qualified to NASA GEVS7000 standards.

Dimensions w/o plate	98mm x 96mm x 117mm
Dimension of adapter plate	230mm x 230mm x 14mm
Mass (Dry)	1.1kg
First mission	2020 EASAT-2 1.5P
Qualification	NASA GEVS7000 in 2020

[price on request](#) [datasheet](#)



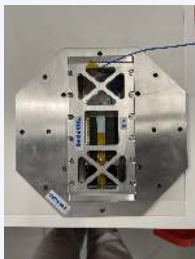
WYRM ENGINEERING

2P VibePOD

An open-source 2P CubeSat-format vibration test pod used to mechanically qualify a Payload Qualification (PQ) unit during vibration testing.

Dimensions w/o plate	147mm x 98mm x 96mm
Dimension of adapter plate	230mm x 230mm x 10mm
Mass (Dry)	1.3kg
First mission	Awaiting to be qualified.

[price on request](#) [datasheet](#)



WYRM ENGINEERING

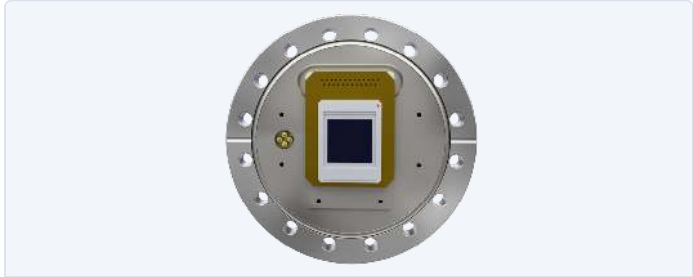
3P Vibe POD

The 3P Vibe POD is an open-source vibration testing fixture designed to qualify 3-unit CubeSat Payloads (3P PQ) by simulating launch environment vibrations.

Dimensions w/o plate	211mm x 98mm x 96mm
Dimension of adapter plate	330mm x 330mm x 10mm
Mass (Dry)	1.6kg
First mission	Awaiting to be qualified.

[price on request](#) [datasheet](#)

XCAM designs space-qualified CubeSat cameras, scientific X-ray detectors, in-vacuum cameras, and particle fallout monitors for space and scientific research applications.

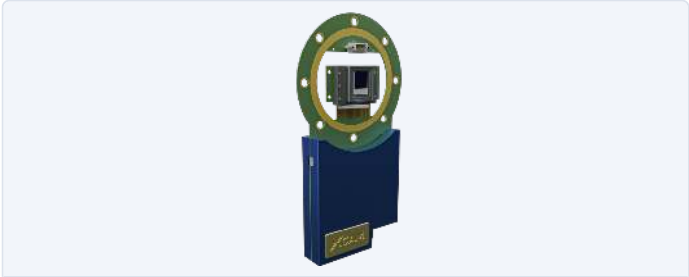


XCAM
CAVACam

Customisable CCD/EMCCD vacuum camera system for UHV/XHV environments, available in flange-mounted or hermetically sealed immersible configurations.

Vacuum Compatibility	UHV / XHV / UCV
Detector Types	CCD, EMCCD
Illumination	Front-illuminated (FI) and back-illuminated (BI)
Readout Speed	Up to 3 MHz
Readout Channels	Up to 4

price on request

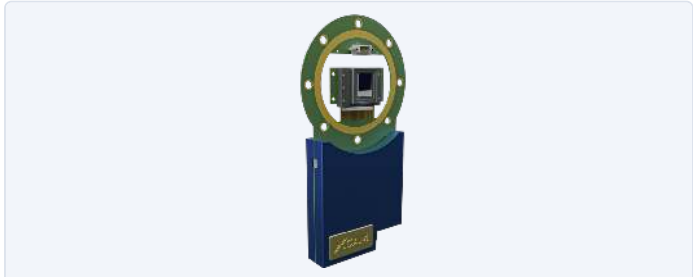


XCAM
Detector Evaluation Systems

Imager Control Systems for evaluating Teledyne e2v CIS120, CIS125, CIS300, and ChromaD scientific imaging sensors with Camera Link, Ethernet, and USB 3 interfaces.

CIS 120 Sensor Format	2048 x 2048 pixels
CIS 120 Pixel Size	10 µm
CIS 120 Illumination	Back-illuminated (visible, UV, EUV)
CIS 120 Noise	3 e ⁻ RMS
CIS 120 Data Interface	Camera Link

price on request

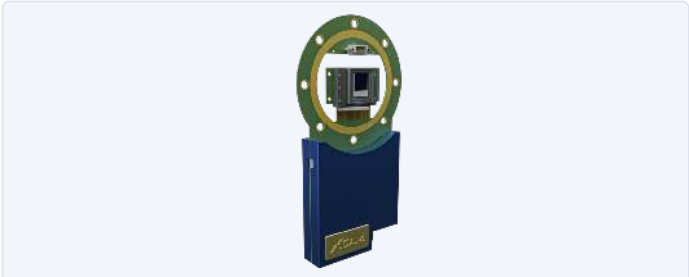


XCAM
Imager Control System (ICS)

The Imager Control System (ICS) is an electronic interface for managing and operating imaging sensors, providing precise power, current, and voltages for reliable function and enab

Sensor	Teledyne e2v 'Capella', 2k x 2k back-illuminated, 10 µm pixels
Applications	Visible, UV, and EUV
Noise	3 e ⁻ rms
Data Interface	Camera Link
Software	Python code included

price on request



XCAM
Imager Control System (ICS) for Detector Evaluation

The Imager Control System (ICS) is an electronic interface for managing and operating imaging sensors, providing precise power, current, and voltages for reliable function and enab

Sensor	Teledyne e2v CIS 300
Format	Up to 9k x 9k pixels
Data Lines	12
Thermal	Temperature sensing, thermal control connectivity
Data Interface	USB 3

price on request



XCAM

PFO 1040

Real-time particle fallout monitor for cleanrooms using Direct Particle Detection (DPD) technology, sampling 4 cm² at up to 10 samples per hour.

Total Detection Area	4 cm ²
Sample Rate	10 per hour
Particle Detection Range	5 to >750 µm
Operating Temperature	+20 to +35 deg C
Housing Material	Aluminium

price on request



XCAM

Space PFO

ESA-funded autonomous particulate contamination monitor for space launch vehicle fairings, detecting particles from 5 µm during ascent.

Total Detection Area	4 cm ²
Sample Rate	Every 10 seconds (minimum)
Minimum Detectable Particle Size	5 µm (100% detection)
Maximum Detectable Particle Size	>750 µm
Data Acquisition Lifetime	>=254 seconds

price on request



XCAM

VacCam

Compact USB in-vacuum video camera for monitoring processes inside vacuum chambers, rated to 10e-6 mbar with built-in LED illumination.

Dimensions	50 x 50 x 60 mm (excl. lens and USB connector)
Image Sensor	1.3 MP CMOS, 1/1.8 inch format, RGB or B&W
Pixel Size	5.5 µm
Lens Mount	C-mount, wide-angle fixed focus
Wavelength Range	400-1000 nm

price on request

Chinese Academy of Sciences research institute in Xi'an developing space optics, precision photonic instruments, and optical remote sensing payloads for China's satellite and space programs.



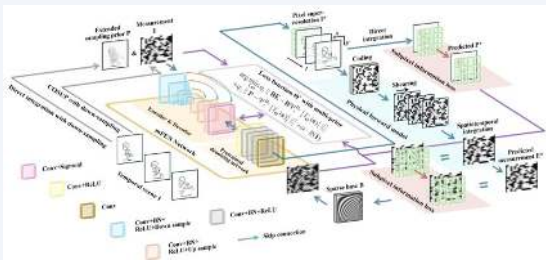
XI'AN INSTITUTE OF OPTICS AND PRECISION MECHANICS (XIOPM)

Small Space Environment Simulation System

Compact space environment simulation chamber for thermal-vacuum testing of optical instruments and payloads.

Type	Thermal-vacuum space environment simulation chamber
Conditions	Vacuum + thermal cycling (cryogenic to elevated temperature)
Application	Component and subsystem-level space qualification testing
Optional	UV/radiation exposure capability (configuration-dependent)
Purpose	Pre-launch environmental verification of optical payloads

price on request



XI'AN INSTITUTE OF OPTICS AND PRECISION MECHANICS (XIOPM)

Ultra-High-Speed Streak Camera

Ultra-high-speed streak cameras for transient optical phenomena, laser diagnostics, and space instrument characterization by XIOPM.

Technology	Photoelectric streak tube with CCD/CMOS readout
Time resolution	Picosecond to nanosecond range
Spectral range	UV to near-IR (model-dependent)
Application	Laser diagnostics, ICF, plasma physics, space instrument testing
Division	Streak Camera and Electro-optical Conversion (SCEC), XIOPM

price on request

US passive microwave and RF components manufacturer in Manchester, NH; TVAC-rated space hardware, cryogenic components, attenuators, adapters, power dividers for satellite and defence.



XMA CORPORATION

Term, SMA-m, 26.5GHz, 1W (Item #2001-61XX-0X-CRYO)

A cryogenic-compatible SMA male RF termination rated to 26.5 GHz and 1 Watt average power.

Item #	2001-61XX-0X-CRYO
Description	Term, SMA-m, 26.5GHz, 1W
Add-ons	Chain

Materials	SS or Gold-plated
Types	Terminations
price on request datasheet	

Xovian Aerospace

INDIA · 2018 · 1 PRODUCT

AI-native RF satellite infrastructure delivering real-time signal intelligence for maritime, aviation, defence, climate, and commercial monitoring.

XOVIAN AEROSPACE

Xovian Vertically Integrated Space-to-Cloud Platform

End-to-end vertically integrated system spanning satellite hardware, software, and cloud-delivered intelligence.

Integration scope	Satellite hardware, ground/cloud software, AI analytics
Delivery model	Space-to-cloud, contextual decision-grade insights

[price on request](#)

Xplore Inc.

UNITED STATES · 2017 · 1 PRODUCT

Space-as-a-service company providing hyperspectral Earth observation data, on-orbit edge computing, and satellite operations software via its XCRAFT satellite platform.



XPLORE INC.

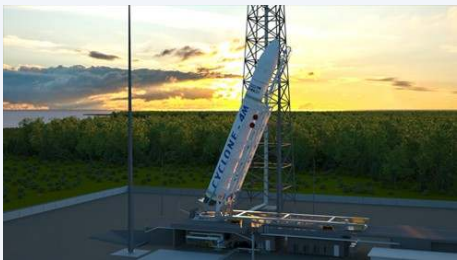
Major Tom (Operations as a Service)

Cloud-based satellite operations and mission control software for tracking, commanding, and monitoring constellations.

Deployment	Cloud-based / SaaS
Uptime (stated)	99.9%
Security	ITAR compliant, 2FA, HTTPS, SSO
Integration	REST API, webhooks

[price on request](#)

Yuzhnoye State Design Office (KB Pivdenne) is Ukraine's premier rocket and space engineering organization, providing full-cycle development of launch vehicles, spacecraft, and propulsion systems. Founded in 1954 and headquartered in Dnipro,



YUZHNOYE DESIGN BUREAU

SLS Stationary Basing

The Space Launch System (SLS) Stationary Basing is a ground launch infrastructure solution developed by Yuzhnoye SDO intended to conduct prelaunch processing and launches of integr

Annual Launch Capacity	12 launches/year
Maximum Mission Duration	25 days
Max Prelaunch/Launch Operations	3 days
SC Processing Air Temperature	+18 to +25 deg C
SC Processing Relative Humidity	Up to 80%

price on request

Zero-G Solutions

Zero-G Solutions provides FAA-approved commercial parabolic flights for astronaut training, scientific research, and public experiences in zero, Lunar, and Martian gravity.



ZERO-G SOLUTIONS

Research Flights

Parabolic microgravity/lunar/Martian-gravity flights for testing space technology payloads before launch.

Parabolas per research flight	30 (double standard flight)
Total weightlessness duration	Up to 15 minutes
Gravity levels available	Microgravity, lunar gravity, Martian gravity (customizable)
Aircraft	G-Force One (modified Boeing 727)
Handheld mixed payload seat	\$10,300 (1 person, 90+ day advance booking)

price on request

Chinese listed commercial Earth-observation company operating the Zhuhai-1 constellation of hyperspectral and video microsatellites for agriculture, forestry, water, ecology, and maritime monitoring.



ZHUHAI ORBITA AEROSPACE

Ground Stations Network

A network of ground stations designed for remote control and global coordinated system operations, with Zhuhai Station serving as a central hub.

Planned Ground Stations	7
Operational Ground Stations	4
Central Station	Zhuhai Station
Annual Data Collection Capacity	Up to 6 PB

price on request

Manufacturers in this sector

27G Technology

Hungary · 2 products

R&D company providing miniaturized radiation dosimeters and EMC filters for space and ground applications. TRL-9 flight heritage.

AAA Engineering & Test Lab

United States · 2009 · 2 products

AAA Engineering & Test Lab provides precision electronic component testing, upscreening, failure analysis, and counterfeit mitigation services for aerospace, space, defense, medical, and ind

Aaronia AG

Germany · 2003 · 2 products

Aaronia AG develops and manufactures spectrum analyzers, spectrum analysis software, and drone detection and defense systems, all produced in Germany.

Accord

India · 1991 · 1 product

Accord Software & Systems designs and manufactures customized GPS/GNSS receivers for space applications and GPS/GNSS semiconductor chips for defense and commercial markets.

Adcole Space (Redwire)

United States · 1957 · 2 products

Redwire is an integrated aerospace and defense company providing advanced technologies for space infrastructure, autonomous systems, and multi-domain operations to government agencies and de

AeroVironment (Tomahawk Robotics)

United States · 1 product

AeroVironment delivers integrated defense systems, including unmanned aircraft, robotics, and space systems, to allied operators globally.

Aevum

United States · 2016 · 1 product

US autonomous launch company developing Ravn X, an unmanned, runway-launched, reusable autonomous launch vehicle (AuLV) for rapid small-satellite deployment to low Earth orbit.

Alaska Aerospace Corporation

United States · 1991 · 2 products

Alaska Aerospace Corporation provides commercial vertical orbital launch services and operates spaceport facilities for government and commercial customers.

Alba Orbital

United Kingdom · 2012 · 2 products

Alba Orbital manufactures PocketQube satellites, provides launch and ground station services, and operates a fleet of nighttime imaging satellites for government and commercial clients.

ALCAN Systems

Germany · 2014 · 1 product

German developer of liquid-crystal-based electronically steerable flat-panel antennas for satellite (LEO/MEO/GEO) broadband and 5G mmWave connectivity, with no moving parts.

Almagest Space

United States · 2022 · 1 product

Almagest Space is building the Space Superhighway — an ultra-high-throughput E-band and optical data relay network in LEO for secure, low-latency satellite connectivity approaching fiber-opt

Alén Space

Spain · 2008 · 2 products

Alén Space designs, manufactures, and operates small satellites, providing end-to-end mission development services and advanced communication platforms, subsystems, and components for space

Anduril Industries

United States · 2017 · 1 product

US defense autonomy company in Costa Mesa, CA; founded 2017; Lattice AI platform for space domain awareness; autonomous systems for US Space Force and DoD.

Antwerp Space

Belgium · 1972 · 1 product

Belgian satellite communication system integrator providing RF payload equipment, telemetry systems, and ground terminal technology for institutional and commercial space programs.

Apolink

United States · 1 product

Apolink is a Y Combinator-backed space startup building a LEO data relay constellation for 24/7 real-time satellite connectivity using hybrid RF and optical links.

Arctic Space Technologies

Sweden · 2019 · 2 products

Arctic Space Technologies operates one of the most advanced commercial satellite ground stations in the Arctic, providing satellite communications and ground segment services from Luleå in N

Aselsan (Space Division)

Turkey · 1975 · 1 product

Turkish defense electronics company developing satellite communication payloads, EO cameras, and satellite subsystems as part of Turkey's space program.

Astralintu Space Technologies

Ecuador · 2020 · 2 products

Equatorial Ground Station as a Service (GSaaS) provider delivering complete equatorial coverage for satellite missions.

Astroflash

Japan · 2019 · 1 product

Japanese space entertainment company founded 2019 in Tokyo developing satellites visible from the ground for entertainment and cultural events, with satellite development services.

Astrome Technologies

India · 2015 · 1 product

Deep-tech company building next-generation millimeter-wave wireless and satellite communications products, from E-band terrestrial backhaul to S-band through V/W-band space links.

ATCi

United States · 5 products

ATCi is a Chandler, Arizona-based satellite communications company and the market leader in multibeam antenna technology, best known for its Simulsat product line.

Atlas Space Operations

United States · 2015 · 1 product

US Ground Software as a Service (GSaaS) provider operating a federated global antenna network for satellite telemetry, tracking and command.

AVCOM of Virginia

United States · 12 products

AVCOM of Virginia is a satellite communications equipment manufacturer founded in 1976, specializing in spectrum analyzers, satellite beacon receivers, and RF signal monitoring products.

Azista Space (Azista Aerospace)

India · 1 product

Indian manufacturer of spaceborne systems, payloads, and satellite-enabled ground systems including SATCOM and hydrometeorology sensors.

Beijing Huali Chuangtong Technology Co., Ltd.

China · 1999 · 7 products

Huali Chuangtong (华力创通, Hwacreate) is a Chinese satellite navigation and IoT technology company listed on the Shenzhen Stock Exchange, headquartered in Beijing, developing GNSS (GPS/BeiDou)

BridgeComm, Inc.

United States · 2015 · 1 product

US developer of free-space optical laser communications systems — optical ground terminals and ground stations for space-to-ground, satellite-to-air, and inter-satellite optical links at spe

Bureau 1440

Russia · 2020 · 1 product

Russian LEO broadband satellite company founded 2020, Moscow; 1 Gbps /

C-COM Satellite Systems

Canada · 1997 · 2 products

C-COM Satellite Systems designs and manufactures motorized, auto-pointing mobile satellite antennas for broadband internet in remote locations, with over 11,000 units deployed globally.

CACI International

United States · 1962 · 1 product

American defense IT and intelligence services company providing satellite communication, intelligence analysis, and space-related C2 solutions.

Calian (SatService)

Canada · 6 products

SatService GmbH, a Calian company, designs and integrates satellite ground stations and earth-station antennas, including GNSS/SATCOM ground segment systems.

Capella Space

United States · 2016 · 1 product

Capella Space designs, builds, and operates advanced SAR satellites and intelligence systems, providing all-weather, high-resolution Earth observation data and solutions for defense, maritime

Capricorn Space

Australia · 1 product

Australian-owned ground segment service provider offering satellite ground station infrastructure in remote Western Australia.

Cascade Space

United States · 1 product

Cascade Space builds and operates communication systems and infrastructure for deep space commercial missions, utilizing array technology.

CELESTIA Satellite Test & Simulation

Netherlands · 1985 · 12 products

Celestia Satellite Test & Simulation provides ground-based solutions for satellite simulation, testing, communication, and data processing, including EGSE, TT&C, and Optical Modems.

China Starwin

China · 1 product

China Starwin manufactures Satcom VSAT terminals, including flat panel terminals, On-The-Move antennas, and ESA terminals, for various applications under GEO, MEO, and LEO constellations.

Cingulan Space

Australia · 1 product

Cingulan Space provides space communications services, including TT&C, payload download, and ground station hosting, for various spacecraft and orbits from Australian locations.

Climats

France · 22 products

Climats is a French manufacturer of high-precision environmental and climatic test chambers, including customized thermal-vacuum chambers for space qualification testing.

CM Technology (CMT)

United States · 2 products

CM Technology Inc (CMT) provides turnkey satellite teleport ground communication solutions, including LEO tracking systems, antenna installation, maintenance, and access to a global network

Comsat Systems

India · 1982 · 2 products

Comsat Systems designs and manufactures advanced satellite communication antenna systems and associated subsystems for teleport, VSAT, mobility, and defense applications.

Constellation Technologies & Operations (CONOPS)

United Kingdom · 2022 · 1 product

CONOPS (UNIVITY) provides space infrastructure for telecom operators, developing a constellation for high-speed, low-latency, and affordable broadband and Direct-to-Device connectivity.

CONTEC

South Korea · 1 product

CONTEC provides an all-in-one solution for satellite data reception, processing, and analysis, supporting space missions through its global ground station network.

Cosmoleap

China · 1999 · 1 product

Dahang Transition develops and operates medium and large reusable launch vehicles and their on-board computers, supporting satellite Internet engineering.

Cosmoworks

South Korea · 1 product

Cosmoworks is a South Korean company manufacturing satellite platforms, building 3U-class CubeSats with Earth observation telescope payloads for imaging missions.

CRON Sistemas e Tecnologias

Brazil · 1 product

Brazilian technology company based in the aerospace hub of Sao Jose dos Campos, SP, developing systems and technology products for defense, aerospace, and technology sectors.

CubeSat Aerospace

India · 1 product

Indian CubeSat developer offering flight-ready 1U–6U satellite structures, subsystem components, environmental testing services, launch integration, and STEM education programs from Ahmedaba

D-Orbit

Italy · 2011 · 1 product

In-space transportation & logistics — ION Satellite Carrier (OTV); last-mile delivery, hosted payloads.

Data Patterns (India) Ltd.

India · 1998 · 7 products

Vertically integrated Indian defence and aerospace electronics company designing and manufacturing avionics, microelectronics, RF/microwave, radar, test equipment and space systems.

DecenSpace

United States · 2025 · 1 product

Ground station marketplace for satellite operators, providing a unified API to a global network of independently operated antennas for TT&C, payload downlink, and mission operations.

Deimos Space (Indra)

Spain · 2001 · 2 products

Spanish space engineering group (founded as Deimos Space, part of Elecnor 2001-2024) now operating as Indra Space, delivering end-to-end satellite platforms, avionics, ground segment, GNSS a

Digantara

India · 2018 · 1 product

Indian space situational awareness startup building SCOT sensor-equipped spacecraft to monitor orbital debris and active satellites for collision avoidance.

Element Defense

United States · 1961 · 8 products

Advanced testing and engineering services provider for U.S. space, defense, and government programs.

ElmSpace

Germany · 3 products

Developer of fluid-dynamic attitude control systems, gyroscopes, and air bearings for the space industry.

Emergent Space Technologies

United States · 2001 · 1 product

Astroynamics, GN&C, and flight/ground software engineering firm for civil, military, and commercial space missions; acquired by York Space Systems in 2023.

Emposat Co., Ltd.

China · 2016 · 4 products

China's leading commercial satellite TT&C and ground segment services provider, operating a global network of 60+ ground stations across Asia, Europe, Africa, South America, and the Pacific.

Emtech Space

Greece · 2 products

Greek space engineering company delivering advanced modeling, simulation, independent software verification, magnetic cleanliness testing, and IOD/IOV mission support. Holder of a €4M ESA He

Emxys

Spain · 2007 · 1 product

Emxys is a Spanish space electronics company specialising in advanced onboard computers, power systems, optical transceivers, and complete nanosatellite platforms for data-intensive space mi

EnduroSat

Bulgaria · 2015 · 4 products

Software-flexible CubeSat platforms (1U–16U+), shared-satellite hosted-payload service.

EOS (Electro Optic Systems)

Australia · 2 products

Australian defense and space technology company developing world-leading space surveillance, high-energy laser systems, and satellite ground systems for the security of Australia and its all

ETS-Lindgren

United States · 1995 · 7 products

ETS-Lindgren designs and manufactures electromagnetic and acoustic energy components and systems, including RF shielded chambers and EMC test chambers, for industrial and commercial markets.

EUROSATCOM

France · 2003 · 6 products

French SATCOM equipment distributor and integrator; ground station hardware across L to Q band; founded 2003 in Les Ulis.

EXA (Astro-und Feinwerktechnik)

Germany · 1993 · 1 product

German manufacturer of reaction wheels, CubeSat picosatellite deployers, and AOCS components for small satellites, based in Berlin-Adlershof.

Exobotics

United Kingdom · 1 product

Modular nanosatellite platforms and space test equipment using robotics, AI, and advanced materials.

Exterior Laboratories

United States · 2003 · 4 products

Exterior Laboratories provides independent design verification and qualification testing services for components and systems across space, aerospace, military, and other industries.

Expleo

France · 1 product

Expleo provides engineering, digital, and quality services for satellite systems, payload development, and ground operations to space agencies, manufacturers, and commercial organizations.

EyasSat

United States · 1 product

American company making the EyasSat nanosatellite simulator, an educational spacecraft kit co-developed with the US Air Force Academy covering all six satellite bus subsystems for university

findgs

1 product

Global satellite ground station directory platform connecting satellite operators with 650+ ground station providers worldwide on a flexible pay-per-use model.

Fossa Systems

Spain · 2 products

Fossa Systems is a Spanish satellite IoT company operating a nanosatellite constellation, ground stations, and IoT gateway devices to deliver low-cost global connectivity for remote asset mo

Gatehouse Satcom

Denmark · 1992 · 2 products

Danish embedded software specialist providing satellite communications protocol stacks, waveforms and test tools for terminals, satellites and networks.

GAUSS Instruments

Germany · 2007 · 1 product

GAUSS Instruments manufactures high-performance EMC test equipment and EMI test solutions, including real-time receivers, for various industry standards and applications.

GAUSS Srl

Italy · 2012 · 1 product

Italian company specializing in complete lifecycle management of CubeSats and NanoSatellites: design, manufacturing, subsystems, ground stations and deployers.

GDP Space Systems

United States · 10 products

GDP Space Systems designs and manufactures telemetry receivers, satellite modems, and range management systems for aerospace and flight test applications.

Geespace

China · 2018 · 2 products

Chinese satellite IoT operator (part of Geely Holding) building and operating the GEESATCOM low Earth orbit communication constellation and satellite terminal hardware.

General Atomics Synopta GmbH

Switzerland · 2004 · 2 products

Swiss opto-electronics company (part of General Atomics since 2021) developing laser-communication beam-pointing systems, optical ground stations, and free-space/fiber optical communication

General Dynamics Mission Systems

United States · 1954 · 1 product

General Dynamics Mission Systems is a defense electronics manufacturer and integrator providing mission-critical solutions for land, sea, air, space, and cyber domains.

GEOVIS / Zhongke Xingtu

China · 2006 · 2 products

GEOVIS / Zhongke Xingtu provides aerospace information services, including software, data, technology development, and system integration for smart earth, commercial aerospace, and low-altit

Gilat Satellite Networks

Israel · 1987 · 1 product

Israeli VSAT and satellite networking company; 1.5M+ terminals in 100+ countries for broadband, cellular backhaul, and government connectivity.

Glavkosmos

Russia · 1985 · 129 products

Glavkosmos coordinates international human spaceflight projects, facilitates satellite launches, develops and supplies rocket components, and provides equipment for space crews.

gmv

Spain · 1984 · 9 products

GMV provides solutions, services, and products across multiple sectors, including space, aeronautics, and defense, with a focus on high-tech and adapted client solutions.

Goonhilly Earth Station

United Kingdom · 2 products

Goonhilly Earth Station provides satellite, lunar, and deep space communication services, operating a private deep space network and offering various satellite communication solutions.

Gran Systems

United States · 3 products

System integrator and manufacturer of CubeSat structures, buses, and MyPOD test/transport pods, with space environment test equipment services.

Greenerwave

France · 2015 · 4 products

Pioneer in next-generation SATCOM user terminals powered by Reconfigurable Intelligent Surface (RIS) technology, enabling lightweight, energy-efficient, electronically steerable antennas for

Guodian Gaoke (Tianqi Satellite)

China · 2015 · 1 product

Guodian Gaoke designs, develops, and operates the Tianqi Constellation, China's first low-Earth orbit satellite IoT network, providing global communication services for various industries an

Haige Communications

China · 1956 · 1 product

Chinese communications enterprise founded 1956 in Guangzhou, publicly traded since 2010, making BeiDou navigation terminals, satellite communication systems, and defense communication equipm

Hancom InSpace

South Korea · 3 products

Korean aerospace tech company providing satellite ground station systems and satellite image analysis services.

Hanwha Phasor

United Kingdom · 1 product

UK flat panel phased array satellite antenna company (Hanwha Systems subsidiary); electronically steerable antennas for aviation IFC, maritime VSAT, and land mobile satellite services.

Hensoldt

Germany · 1 product

German defence and security technology company providing radar, optronics, and sensor systems across land, air, sea, cyber, and space domains.

Hex-Star Universe

India · 2022 · 3 products

India-based space EdTech platform offering CubeSat and CanSat educational kits, high-altitude balloon hardware, and online space science courses for students worldwide.

HEX20

India · 1 product

Indian small satellite manufacturer offering flight-proven platforms, subsystems, and mission-as-a-service solutions.

Hiber

Netherlands · 2016 · 1 product

Amsterdam-based remote IoT monitoring company — HiberHilo® end-to-end platform delivers satellite-connected well pad monitoring for upstream oil & gas operations in remote locations globally

hiSky

Israel · 2015 · 1 product

hiSky develops the SmartLITE phased-array satellite communication system — compact, high-throughput terminals and network management software for on-the-move connectivity across air, land, s

Hokkaido Spaceport (SPACE COTAN)

Japan · 2021 · 3 products

SPACE COTAN Co., Ltd. is a Japanese company developing and operating the Hokkaido Spaceport at Taiki-cho (Taiki Town) in Hokkaido, Japan's northernmost main island, as a commercial launch si

Hughes Network Systems

United States · 1971 · 1 product

Hughes Network Systems provides satellite internet services, network management, and connectivity solutions for consumers, businesses, enterprises, and government agencies, with over 50 year

Hypernova Space Technologies

South Africa · 2018 · 1 product

South Africa-based space hardware company developing the Lumen thermal vacuum testing system and providing TVAC test services for the aerospace industry.

IABG

Germany · 1961 · 1 product

German technology company providing testing, simulation, and engineering services for aerospace, defense, and space systems.

Indra Sistemas

Spain · 1993 · 3 products

Indra Space is the space division of Indra Group — a European prime contractor with 40+ years delivering end-to-end space solutions across Earth observation, satellite navigation, telecommun

Infostellar

Japan · 2016 · 2 products

Infostellar operates StellarStation, a cloud-based Ground-Segment-as-a-Service (GSaaS) platform that virtualizes a worldwide network of satellite ground stations for LEO operators.

Innovative Space Logistics

Netherlands · 2006 · 1 product

ISISPACE provides launch services, manufactures CubeSat deployers and other launch equipment, and acts as a satellite systems integrator for small satellites.

Instinct Space

United Kingdom · 2024 · 1 product

US lunar lander startup offering end-to-end surface delivery with 20+ kg payload; backed by Y Combinator, a16z, and Nvidia.

Intellian Technologies

South Korea · 2004 · 6 products

Intellian Technologies is the world's leading provider of stabilized satellite antenna systems and terminals, delivering reliable connectivity across maritime, land, and government markets

Intuitive Machines

United States · 2013 · 1 product

US lunar lander company that became the first private company to land on the Moon (IM-1 Nova-C, Feb 2024), under NASA's CLPS lunar delivery program.

IQ Spacecom

1999 · 1 product

IQ Spacecom designs and manufactures high-performance radio communication solutions, including SDR transceivers, antennas, and space switches, for small satellites and ground equipment.

ISISPACE Group

Netherlands · 2006 · 1 product

CubeSat deployers, antennas, EPS and small-satellite systems.

Jena-Optronik

1991 · 2 products

Jena-Optronik designs and manufactures sensors, space optics, and electronics for satellites and spacecraft, supporting communication, navigation, and Earth observation.

JV Ghalam LLP

Kazakhstan · 2010 · 1 product

Kazakhstani satellite AIT joint venture (Airbus D&S + Kazakhstan Gharysh Sapary) — 15,000 m² ISO 8 cleanrooms in Astana, capable of processing spacecraft up to 6 tons. Operators of KazSTSAT

Kacific Broadband Satellites

Singapore · 2013 · 2 products

Kacific Broadband Satellites provides high-quality, low-cost satellite broadband services to businesses, governments, and operators in South East Asia and the Pacific.

Kongsberg Defence & Aerospace — Space Division

Norway · 1814 · 2 products

Kongsberg Defence & Aerospace — Space Division delivers technologies for the space value chain, including launch services, small satellite production, and satellite data management.

Kratos Defense & Security Solutions

United States · 1994 · 6 products

American defense technology company specializing in unmanned systems, satellite communications, and space domain awareness.

KRYTAR

United States · 1975 · 2 products

KRYTAR designs and manufactures ultra-broadband microwave, mmWave, and RF components and test equipment for commercial and military applications, covering DC to 110 GHz.

KSAT (Kongsberg Satellite Services)

Norway · 1968 · 2 products

World-leading satellite ground station operator with 26 antenna sites including Svalbard, providing TT&C, data downlink, and relay services for LEO, MEO, and GEO satellites worldwide.

KT SAT

South Korea · 2012 · 2 products

KT SAT is South Korea's sole satellite communication operator, operating a fleet of five geostationary KOREASAT satellites covering over 60% of the world's population with transponder leasin

Kuang-Chi (Shenzhen Kuang-Chi Institute of Advanced Technology)

China · 2010 · 1 product

Chinese advanced-technology group specializing in metamaterials for aerospace and defense, including structural components, radomes, and conformal antennas for advanced aircraft programs.

Kymeta

United States · 2012 · 1 product

American satellite antenna company developing flat-panel electronically steerable antennas for mobile satellite communications.

LabSat

United Kingdom · 3 products

LabSat, a brand of Racelogic, provides compact GNSS record and replay simulators enabling reliable, repeatable testing of GNSS-enabled devices across automotive, aerospace, and industrial ap

LAUNCH42

Netherlands · 2 products

Dutch developer of SmallSat and CubeSat separation systems providing smart, lightweight, cost-effective satellite deployers for launch mission management.

Leaf Space

Italy · 2014 · 4 products

Italian Ground Segment as a Service (GSaaS) provider operating 40+ ground stations across 19 global locations, supporting 140+ satellites with communications scheduling, telemetry, and LEOP

Leanspace

2020 · 1 product

Leanspace provides software solutions for satellite and ground segment operations, offering a platform of APIs and data-handling services for mission-critical systems.

Leidos Space

United States · 1969 · 1 product

US defense and technology prime contractor providing space systems integration, satellite ground systems, and mission software for national security and civil space programs.

Lens R&D

Netherlands · 1 product

Dutch manufacturer of precision optical components and sun sensors for space missions, with flight heritage on ESA programs including LISA.

LeoLabs

United States · 2016 · 2 products

LeoLabs provides persistent orbital intelligence through a global radar network, real-time data catalog, and AI-powered analytics for space domain awareness and traffic management.

Libre Space Foundation

Greece · 2015 · 1 product

Libre Space Foundation is a non-profit open-source foundation developing open hardware and software for space, including the SatNOGS global satellite ground station network, CubeSat missions

Lidax

Spain · 2 products

Madrid-based aerospace engineering company specialising in opto-mechanical systems, flexible thermal straps, and cryogenic units for space missions.

LiquidCool Solutions

United States · 2006 · 3 products

Total liquid immersion cooling technology for servers and electronics, using patented Directed-Flow cooling in standard 19-inch racks for data center, edge, and rugged industrial application

LoadPath (Redwire)

2 products

Redwire is an integrated aerospace and defense company providing advanced technologies, space infrastructure, and autonomous systems for government agencies and defense programs.

Look Up Space

France · 2022 · 1 product

French space data and analytics platform providing orbital intelligence and space situational awareness services.

Lorett

Russia · 2013 · 2 products

Lorett develops equipment and technologies for real-time Earth remote sensing satellite data reception and provides educational programs in space technologies.

Lunar Research Service

Ukraine · 4 products

Lunar Research Service (LRS) is a Ukrainian space technology company specializing in hardware and materials testing for space applications, nanosatellite development, and extreme-environment

Lunasa Space

United Kingdom · 2021 · 1 product

Lúnasa is a London-based space technology company building navigation, autonomy, and rendezvous and proximity operations (RPO) systems for the in-orbit servicing and manufacturing (ISAM) mar

LYRASENSE

1 product

LYRASENSE offers a platform for building satellite-powered applications, integrating data, analytics, and deployment tools in a single workspace with AI assistance.

Maana Electric

Luxembourg · 2018 · 2 products

Dual-use clean energy and ISRU technology company developing automated solar manufacturing and regolith-processing systems for Earth and space.

Magson GmbH

Germany · 3 products

Magson GmbH is a Berlin-based manufacturer of high-performance digital fluxgate magnetometers for terrestrial and space applications, including spacecraft attitude control systems.

Maritime Launch Services

Canada · 1 product

Canadian company building the Spaceport Nova Scotia at Canso to provide sovereign launch access for small and medium satellites into polar and sun-synchronous orbits.

MASER Engineering

Netherlands · 1 product

Dutch specialist providing reliability testing, failure analysis, and space qualification engineering services for electronic components used in space missions and high-reliability applicati

Mbryonics

Ireland · 2014 · 2 products

Ireland's largest photonics company, building end-to-end optical communication systems for space connectivity.

MinoSpace

China · 2017 · 8 products

Chinese commercial satellite manufacturer building Earth observation, communications, and remote sensing satellites, plus payloads, components, and ground terminal systems.

Muon Space

United States · 2021 · 1 product

Muon Space is the Mission Foundry, designing, building, and operating high-performance satellite constellations for defense, civil, and commercial customers.

NanoAvionics

Lithuania · 2014 · 1 product

Pre-integrated nanosatellite buses (3U–16U+ MP42), green chemical propulsion, mission integration.

NARIT (National Astronomical Research Institute of Thailand)

Thailand · 2009 · 3 products

Thailand's national public organization for astronomical research, operating the country's largest optical and radio telescopes and leading regional astronomy technology development.

National Physical Laboratory (NPL)

United Kingdom · 1900 · 1 product

UK national measurement institute providing precision timing, frequency standards, and calibration services critical for satellite navigation and space systems.

Nautilus Navigation in Space

Israel · 2021 · 1 product

Nautilus Navigation in Space designs autonomous Guidance, Navigation, and Control (GNC) sub-systems, provides Flight Dynamics as a Service, and develops ground testing equipment for space mi

NBSpace

Thailand · 2021 · 1 product

Thai CubeSat subsystems manufacturer and satellite solutions provider.

Needronix

Poland · 2017 · 2 products

Polish smallsat hardware company designing and manufacturing components and subsystems for CubeSats and small satellites, serving commercial and institutional space customers across Europe.

Nigcomsat

Nigeria · 2006 · 1 product

Nigerian Communications Satellite Limited (NIGCOMSAT) is Nigeria's national satellite communications operator, providing broadcasting, transponder leasing, broadband, navigation and value-ad

NOFFZ Technologies

Germany · 9 products

NOFFZ Technologies is a German manufacturer of universal test and automation systems, including RF test platforms and GNSS signal simulators for aerospace, defense, and automotive applicatio

NPK Barl

2013 · 1 product

NPK Barl designs and manufactures ultra-small spacecraft and space instrumentation, including onboard satellite equipment and modular platforms, serving space agencies, operators, and univer

OhmSpace

Italy · 2020 · 1 product

Italian electric propulsion startup developing water-propelled resistojet thruster systems for nanosatellites and microsatellites, offering a safe, low-cost, and high-performance propulsion

ONDO Space

Mongolia · 2020 · 1 product

Mongolian nanosatellite startup operating ONDOSAT-OWL CubeSats and offering IoT livestock tracking, ground station services, and rideshare launch coordination for LEO missions.

OneSpace Technologies

China · 2015 · 1 product

Chinese private launch-vehicle developer building the OS-X suborbital and OS-M orbital solid-fuel rocket families, and China's first privately funded company authorized to develop and manufa

Orbcomm

1993 · 1 product

ORBCOMM provides IoT solutions with hybrid satellite-cellular connectivity and advanced direct-to-device capabilities for asset monitoring and supply chain visibility.

Orbit Communication Systems

Israel · 3 products

Orbit Communication Systems is a global leader in airborne, maritime, land, and ground-station communications, satellite-tracking, and new space connectivity solutions for commercial and gov

Orbit Fab

United States · 2018 · 1 product

US in-space refueling company developing satellite fuel depots and propellant transfer interfaces to extend satellite lifespans and enable a sustainable refueling economy in orbit.

Orbit:Linx

United Kingdom · 2018 · 1 product

Decentralized ledger technology (DLT) platform for scheduling, tokenizing and trading ground-station and satellite communications capacity.

Orbital Systems

Russia · 2009 · 1 product

Russian NewSpace company providing full lifecycle development and production of CubeSat small satellites, deployment systems, and ground control stations.

OSE (Optimized System Engineering)

India · 1 product

Optimized System Engineering provides end-to-end technology solutions, including automated test systems and product engineering, for government and Fortune 500 companies, with significant co

Parsons Space

United States · 3 products

US defense and technology prime contractor providing space systems engineering, missile defense integration, space domain awareness, and ground system development for US government programs.

PIESAT Information Technology

China · 2008 · 1 product

Chinese satellite Internet and remote sensing company operating SAR satellite constellations and the PIE geospatial software platform.

Pinkmatter Solutions

South Africa · 2002 · 1 product

South African Earth observation company operating a dedicated satellite antenna hosting site near Pretoria.

Pumpkin, Inc.

United States · 1995 · 10 products

San Francisco-based manufacturer of flight-proven CubeSat kits, SUPERNOVA nanosatellite buses, and spacecraft power/electronics components, with over 150 kits delivered and dozens of success

Pyxis Space

Germany · 2 products

German manufacturer of miniature optoelectronic ADCS components for small satellites and CubeSats.

QEYSSat (Quantum Encryption and Science Satellite)

Canada · 2017 · 1 product

QEYSSat is a Canadian Space Agency microsatellite mission to demonstrate quantum key distribution (QKD) from space, built by Honeywell (formerly COM DEV Canada) under a \$30 million contract.

Quadsat ApS

Denmark · 2017 · 4 products

Danish pioneer of drone-based RF testing and antenna measurement solutions for satellite antennas and electronic warfare, enabling cost-effective SATCOM ground segment testing without satell

Quasar Satellite Technologies

Australia · 2021 · 4 products

Quasar Satellite Technologies is an Australian company providing next-generation software-defined ground infrastructure for satellite communications and space domain awareness, based on prop

Qwaltec

United States · 2001 · 3 products

American space operations company providing mission control software, ground system engineering, and spacecraft operator training for government and commercial satellite programs.

Radian Aerospace

United States · 2015 · 1 product

Radian Aerospace designs and manufactures fully-reusable orbital mission platforms and reentry vehicles for routine and affordable space access.

RBC Signals

United States · 2015 · 1 product

Global Ground Station as a Service (GSaaS) provider aggregating unused capacity of ground stations worldwide for satellite operators.

Redwire Corporation

United States · 2020 · 2 products

Redwire is an integrated aerospace and defense company that designs and manufactures advanced technologies for space and defense, including optical imaging, sun sensors, solar arrays, and sp

Redwire Space Belgium (ex-QinetiQ Space)

Belgium · 1988 · 1 product

Belgian satellite systems facility in Kruibeke, formerly QinetiQ Space nv, acquired by Redwire Space in 2022; delivers entire satellites, avionics, and the International Berthing and Docking

Robinson Aerospace Systems

Australia · 2022 · 1 product

Robinson Aerospace Systems provides hands-on educational CubeSat kits and STEM solutions for schools, universities, and businesses globally, aiming to inspire and educate students in space t

RUAG Space

Switzerland · 1993 · 5 products

Swiss-Swedish space components manufacturer providing satellite structures, thermal control products, payload electronics, and antennas for commercial and institutional programs.

S4 - Smart Small Satellite Systems GmbH

Germany · 2017 · 1 product

German manufacturer (Wuerzburg) of pico/nanosatellite subsystems and tailored small satellite systems, with flight heritage tracing back to the first German pico-satellite UWE-1.

Saankhya Labs

India · 2006 · 2 products

Indian SDR semiconductor company in Bengaluru; Prism SX software-defined radio platform supporting DVB-S2X/DVB-T2/ATSC 3.0 for VSAT terminals, satellite broadband, and direct broadcast recei

Saber Astronautics

Australia · 2008 · 1 product

Australian-US space operations company providing mission control software and Responsive Space Operations Centers for space domain awareness, satellite operations, and mission design.

SAIC Space

United States · 1 product

SAIC is a mission integrator that provides technology and innovation solutions, including secure multi-cloud, AI-driven tools, and data-driven interoperability, to federal and defense agenci

Satcube AB

Sweden · 2007 · 3 products

Swedish manufacturer (Goteborg) of ultra-portable Ku-band flyaway satellite terminals for defence, emergency response, and broadcast media, assembled in Karlstad, Sweden.

Satrev (SatRevolution)

Poland · 2016 · 1 product

Polish nanosatellite manufacturer and Earth observation company recognized by ESA as a 'Space Tech Rising Star', building CubeSat platforms, subsystems, ground stations, and hosted-payload m

Serenum Space

Czech Republic · 2020 · 2 products

SERENUM Space is a CubeSat component and BUS manufacturer, integrator, and service provider based in Brno, Czech Republic, and a commercially oriented subsidiary of VZLU AEROSPACE.

Sisir Radar

India · 2021 · 3 products

Indian spacetechnology company building the world's highest resolution L & P band Synthetic Aperture Radar (SAR) payloads for satellites, aircraft and drones, plus Ground Penetrating Radar and hyp

SkyFox Labs s.r.o.

Czech Republic · 2014 · 1 product

Czech manufacturer (Prague) of Space-Friendly CubeSat and PocketQube subsystems: GNSS/AIS/ADS-B antennas, BusCORE radio terminals, ADCS sensors, and dosimeters, in continuous orbital operati

Skykraft

Australia · 2017 · 1 product

Australian satellite company building a ~200-satellite constellation for space-based global air traffic management — ADS-B surveillance and VHF communications for oceanic and polar routes.

SkyLabs d.o.o.

Slovenia · 2013 · 3 products

SkyLabs is a Slovenian space-technology company that designs and manufactures miniaturized, fault-tolerant on-board data handling, communications, power, ADCS/GNC and EGSE equipment for small

Skynopy

France · 2023 · 2 products

Skynopy provides an end-to-end ground station-as-a-service platform, giving satellite operators simple, high-throughput access to a global hybrid network of timeshared and proprietary ground

Solstar Space

United States · 2017 · 3 products

Santa Fe-based space communications company delivering the first commercial Wi-Fi in space — building IoT and broadband hardware for CubeSats, space stations, and lunar environments.

Space Foundry

United States · 3 products

San Jose, CA company pioneering plasma jet printing for direct-write conformal electronics manufacturing on complex 3D surfaces, with applications in space, aerospace, and in-space manufactu

Space Products and Innovation (SPiN)

Italy · 2015 · 1 product

SPiN (Space Products and Innovation) develops MA61C, a plug-and-play intelligent Command and Data Handling (C&DH) node that lets satellite manufacturers integrate subsystems from different s

SPACE-SI (Slovenian Centre of Excellence for Space Sciences and Technologies)

Slovenia · 2010 · 1 product

Slovenian space R&D centre building small Earth-observation satellites, ground stations and satellite test facilities.

Spacebel

Belgium · 1988 · 1 product

Spacebel is a Belgian space systems and software engineering SME delivering mission-proven on-board software, ground segment systems, modelling & simulation platforms, and geospatial data in

SpaceBridge Inc.

Canada · 1988 · 4 products

SpaceBridge Inc. designs and manufactures VSAT hubs, terminals, modems and RF equipment for satellite communication networks serving broadband, cellular backhaul, IoT, broadcast and defense

Spacecomm

Poland · 2 products

Space Comm provides Ground Station as a Service (GSaaS) for small satellite missions in Low Earth Orbit, offering ground segment infrastructure, TT&C, and mission control software.

SPACERACE s.r.o.

Czech Republic · 2022 · 1 product

Czech company (Brno) developing non-explosive, rapidly resettable hold-down and release actuators and initiation electronics for ground testing and qualification of spacecraft mechanisms.

Spartan Space

France · 2021 · 1 product

Developer of smart habitats and life support systems for human exploration in space and extreme environments.

SpeQtral

Singapore · 2018 · 1 product

Singapore-based pioneer in satellite Quantum Key Distribution (QKD) enabling unconditionally secure global communications.

SpinLaunch

United States · 2014 · 1 product

SpinLaunch develops a kinetic (non-combustion) launch system that uses a rotating vacuum-sealed accelerator to hurl launch vehicles toward space, and operates Meridian Space, a low-cost LEO

SPUTNIX

Russia · 2011 · 7 products

SPUTNIX is a Russian manufacturer of nanosatellite and microsatellite platforms, onboard subsystems and ground infrastructure, operating as a subsidiary brand of Sitronics Group.

SSBV Aerospace & Technology

Netherlands · 1985 · 3 products

SSBV Aerospace & Technology Group was a Dutch-led, technology-driven group of companies providing space and defence hardware, including smallsat subsystems, ground station equipment, and pre

Surface Optics Corporation

United States · 1977 · 3 products

US manufacturer of optical measurement instruments, hyperspectral imaging systems, and thermal control coatings, founded 1977 in San Diego by former Apollo-program aerospace engineers.

Swedish Space Corporation (SSC)

Sweden · 1972 · 8 products

SSC Space provides ground station services, designs rocket and balloon systems, offers engineering and launch services, and conducts rocket engine testing.

Synspective Inc.

Japan · 2018 · 1 product

Japanese SAR satellite operator providing Earth observation data and analytics from StriX constellation — infrastructure monitoring, land displacement, disaster response in cloud-penetrating

Taqnia Space

Saudi Arabia · 2011 · 1 product

Taqnia Space provides High Throughput Satellite (HTS) terminals, secure satellite communications infrastructure, and aims for satellite manufacturing and geospatial services.

TechTheMoon

France · 2021 · 1 product

The world's first incubator dedicated exclusively to the Moon, backed by CNES, supporting entrepreneurs developing solutions for sustainable human presence on the lunar surface.

Tensor Tech (thermal)

Taiwan · 2019 · 3 products

Taiwanese ADCS company in New Taipei City; CMG control moment gyroscopes, sun sensors, magnetorquers, and integrated nanosatellite attitude control systems; ISO 9001 certified.

ThinKom Solutions, Inc.

United States · 2000 · 6 products

Developer of patented VICTS (Variable Inclination Continuous Transverse Stub) phased array antennas for commercial aviation in-flight connectivity, military SATCOM, ground terminals, and spa

Thorium Space Technology

Poland · 2018 · 2 products

Polish manufacturer of active electronically steered (AESA) flat-panel phased array antennas and Ka-band satcom terminals, beamforming chipsets and communication payloads for LEO/MEO/GEO sat

Thoth Technology

Canada · 2001 · 1 product

Canadian space company; Argus infrared spectrometers for nanosatellites, ground stations and deep-space network services.

ThumbSat

United States · 2014 · 1 product

US femtosatellite access-to-space provider; hosted-payload ThumbSat modules from about \$20,000 with launches via CAS Space, supported by the citizen-science ThumbNet ground-station network.

Tianqi Satellite (Guodian Gaoke)

China · 2015 · 8 products

Chinese satellite IoT operator; Tianqi (天启) LEO constellation for narrowband M2M communications; asset tracking, agriculture, energy, and industrial IoT in remote areas.

TICRA

Denmark · 1971 · 1 product

Copenhagen-based developer of professional electromagnetic simulation software for antenna engineers, including GRASP (reflector antennas), CHAMP 3D (waveguide components), and TICRA Tools (

Tiger Innovations, Inc.

United States · 1997 · 2 products

US aerospace electronics firm (General Atomics subsidiary); solar array simulators, RF devices, EGSE, and payload testing for space programs.

Trimble

United States · 1978 · 1 product

US positioning/geospatial technology company; mostly terrestrial GNSS, but its Alloy/NetR9 reference receivers are deployed in geodetic (IGS) networks used for satellite orbit and clock dete

TRL Space

Czech Republic · 2014 · 3 products

Czech mission integrator and space hardware builder behind the CAVE CubeSat deployer, TRONE/CRUSOE EGSE, and the TRACE/TROLL NG/TRULY satellite missions.

Tsd-space

Italy · 1977 · 3 products

Italian space imaging and avionics company in Pozzuoli; cameras, focal plane arrays, image compression, OBCs, C&DH systems, power management, and ground segment equipment.

TTI Norte

Spain · 1996 · 11 products

Spanish satellite ground systems company founded 1996 in Santander (now Celestia TTI, part of Celestia Technologies Group); makes SSPAs, LNAs, phased array/flat-panel antennas and RF passive

TY-Space Technology

China · 5 products

Chinese manufacturer of high-precision star trackers, sun sensors, star simulators, and attitude control modules for satellites, with over 1,000 units flown on-orbit.

Unseenlabs

France · 2015 · 3 products

French leader in space-based RF maritime surveillance; BRO nanosatellite constellation geolocates dark/AIS-off vessels worldwide.

VACCO Industries

United States · 1954 · 1 product

US manufacturer of precision fluid control components and integrated propulsion systems for spacecraft, with 70+ years of heritage. Products include micro propulsion systems, valves, pressur

Viasat, Inc.

United States · 1986 · 1 product

US satellite communications company operating GEO broadband constellation (ViaSat-3), government/military communications, and in-flight connectivity — merged with Inmarsat in 2023.

VORAGO Technologies

United States · 2012 · 1 product

VORAGO Technologies designs radiation-hardened ARM microcontrollers and processors for space and extreme-environment applications using patented HARDSIL technology.

Vyoma GmbH

Germany · 2020 · 3 products

Vyoma provides cloud-native satellite operations, flight dynamics, and space domain awareness services powered by AI and a proprietary SSA satellite constellation.

WARPSPACE Inc.

Japan · 2016 · 3 products

Japanese space-communications startup building WarpHub InterSat, a MEO optical inter-satellite data relay network for near-real-time downlink of LEO Earth-observation data.

WiRan

Poland · 2002 · 1 product

Polish RF/microwave company in Gdynia, founded 2002; L/S/X/Ku-band components, space-grade duplexers and filters, and EMC testing laboratory services.

Wyrn Engineering

Netherlands · 2016 · 3 products

PocketQube deployer and vibration test equipment maker, plus mechanical engineering consultancy for small-satellite developers.

XCAM

United Kingdom · 2001 · 7 products

XCAM designs space-qualified CubeSat cameras, scientific X-ray detectors, in-vacuum cameras, and particle fallout monitors for space and scientific research applications.

Xi'an Institute of Optics and Precision Mechanics (XIOPM)

China · 1962 · 2 products

Chinese Academy of Sciences research institute in Xi'an developing space optics, precision photonic instruments, and optical remote sensing payloads for China's satellite and space programs.

XMA Corporation

United States · 2003 · 1 product

US passive microwave and RF components manufacturer in Manchester, NH; TVAC-rated space hardware, cryogenic components, attenuators, adapters, power dividers for satellite and defence.

Xovian Aerospace

India · 2018 · 1 product

AI-native RF satellite infrastructure delivering real-time signal intelligence for maritime, aviation, defence, climate, and commercial monitoring.

Xplore Inc.

United States · 2017 · 1 product

Space-as-a-service company providing hyperspectral Earth observation data, on-orbit edge computing, and satellite operations software via its XCRAFT satellite platform.

Yuzhnoye Design Bureau

Ukraine · 1954 · 1 product

Yuzhnoye State Design Office (KB Pivdenne) is Ukraine's premier rocket and space engineering organization, providing full-cycle development of launch vehicles, spacecraft, and propulsion sys

Zero-G Solutions

United States · 1993 · 1 product

Zero-G Solutions provides FAA-approved commercial parabolic flights for astronaut training, scientific research, and public experiences in zero, Lunar, and Martian gravity.

Zhuhai Orbita Aerospace

China · 2000 · 1 product

Chinese listed commercial Earth-observation company operating the Zhuhai-1 constellation of hyperspectral and video microsattellites for agriculture, forestry, water, ecology, and maritime mo

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