

NEWSPACE MARKET · COMPANY PROFILE



Terma

Denmark · founded 1949 · terma.com

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as of 26 August 2026



Terma

Terma is a global company headquartered in Denmark, with offices in the U.S. and international operations. It develops, manufactures, and services solutions, and provides advice to customers worldwide in the aerospace, defense, and security sectors. The company's product lines include radar systems (SCANTER Sphera 3D radar, SCANTER 6002 for naval surveillance and drone detection, enhanced Surface Movement Radar for airports), aircraft self-protection systems (including for F-35 Lightning II, C-130J, and A-10 aircraft), decoy launching systems (C-Guard), and combat suites (C-Series). For space applications, Terma designs and delivers T1 Star Trackers for satellite orientation. Terma's customers include alliances, countries, organizations, coast guards, navy crews, researchers, academics, pilots, technicians, NATO, the Danish Armed Forces, the U.S. Air Force, the Indonesian Navy, and Astranis Space Technologies Corp. The company was founded in 1949 and has over 2,200 employees worldwide. Terma has flight heritage with over 75 space missions since 1972, including the Ørsted satellite (1999), the Huygens probe (2005), and the ASIM climate observatory on the International Space Station (ISS). The company holds DKMAR145 Military Maintenance Organization Approval for its facilities in Lystrup, Aarhus. Notable programs include contributions to NATO's future operational intelligence architecture, the F-35 Lightning II program (including Gun Pods and Large Composite Skins), the ASIM project, and the European Defence Industrial Development Programme (EDIDP).

This profile is generated from the live NewSpace Market catalogue. Specifications are as published by the manufacturer; every product links to a page where a request for quotation reaches the company directly.

SERVICES

Services

Manufacturing Services Terma provides state-of-the-art manufacturing services for avionics and aerostructures, including complex power supplies and advanced aerostructures.	Specialist services (Space) Terma provides specialist engineering support services to space agencies and prime contractors, including flight dynamics, operations, AIT/AIV, and IT support.
System integration Terma acts as an independent systems integrator, leveraging decades of experience to combine various systems effectively.	Terma Lifecare for ground-based radars Terma Lifecare provides continuous support and maintenance for ground-based radars, ensuring uninterrupted operation for critical infrastructure protection.

Product catalogue



TERMA

Flight Dynamics System (ORBIT)

ORBIT is a flight-proven Flight Dynamics System for automating satellite operations in LEO or GEO orbits.

price on request

TERMA

On-Board Computer (OBC)

Radiation-tolerant on-board computer for ESA and commercial satellites — LEON2/3/4 processor, MIL-STD-1553 and SpaceWire interfaces, proven heritage on multiple ESA science and EO

Processor	LEON2/3/4 (SPARC V8/V9 ISA)
Data buses	SpaceWire, MIL-STD-1553, UART, SPI, I ² C
Memory	Rad-tolerant SRAM + EEPROM/FLASH NVM
Qualification	ESA ECSS, full documentation
Radiation	TID and SEU mitigation
Applications	Platform/AOCS processor, payload data handler

price on request



TERMA

PCDU — Power Conditioning and Distribution Unit

Terma's Power Conditioning and Distribution Unit (PCDU) family is a modular, scalable architecture built on plug-in modules mounted on a common backplane, enabling power syst

Power range	250 W to 15 kW+ (modular)
Bus voltage options	28 V, 50 V (regulated); 100 V (BepiColombo); unregulated 22–37 V
Regulation mode	Sequential Shunt Switching (S3R) or MPPT
Mppt efficiency	>99.7% (modular); up to 98% (BepiColombo modules)
Transfer efficiency	>95%
Output impedance	<20 mΩ
Module mass	~0.27 kg per plug-in module

flight proven · TRL 9 price on request



TERMA

RTU — Remote Terminal Unit

Terma's Remote Terminal Unit (RTU) is a modular spacecraft subsystem that connects the On-Board Computer to platform electronics including thrusters, heaters, sensors, pyrote

Function	OBC interface to platform electronics: commanding, TM acquisition, thermal, power distribu
Architecture	Modular plug-in modules on common backplane
Main bus voltage	20–100 V (any spacecraft bus, off-the-shelf)
Power consumption	~15 W
Primary interface	MIL-STD-1553
TRL	9 (40+ flight models delivered)
Flight heritage	H2Sat (in-orbit 2023), Electra, LUXEOSys/NAOS, HERA, C02M

flight proven · TRL 9 price on request



TERMA

T1 Star Tracker

The Terma T1 star tracker is a high-heritage, radiation-hardened star tracker qualified for the demanding environment of GEO missions including electrical orbit raising through the

Total system mass	1.53 kg (with electronic unit)
Electronic unit dimensions	100 × 100 × 40 mm
Power (average)	3.25 W from 20–36 V supply
Sensor	Faintstar-2 CMOS APS 1024×1024 (ESA-developed)
Field of view	20°
Pointing accuracy	~3.6 arcsec (1σ) pitch/yaw
Update rate	up to 10 Hz

flight proven · TRL 9 price on request



TERMA

T3 Star Tracker

The Terma T3 is a lightweight, integrated star tracker designed specifically for small satellites and commercial LEO constellation platforms operating with COTS-grade components an

Mass	350 g (complete integrated unit)
Dimensions	100 × 60 × 60 mm
Power	2 W max
Supply voltage	5–12 V
Field of view	20° circular
Sun exclusion angle	37.5° half-angle
Pointing accuracy	2.1 arcsec spatial (3σ); <2 arcsec pitch/yaw (1σ)

flight proven · TRL 9 price on request



TERMA

Terma SPECTRA – SDR TT&C modem

The Terma SPECTRA is a software-defined TT&C modem engineered for reliability, security, and flexibility for satellite communication.

price on request

Contact Terma

Open the company profile on NewSpace Market to see full specifications and datasheets, and to send a request for quotation that reaches the manufacturer directly.

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