



Safran Electronics Defense Space

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as of 20 August 2026



Safran Electronics Defense Space

Safran Electronics & Defense designs, develops, and produces equipment and services for civil and military players across land, sea, air, and space sectors. The company provides solutions for sovereign control of space, including access to space and scientific observation missions. Their expertise includes critical technologies such as optronics, inertial navigation, precision timing, guidance, radio frequency detection, and artificial intelligence. They also offer avionics and actuation solutions for flight and passenger safety. Customers include armed and security forces, satellite manufacturers and operators, space agencies, leading manufacturers, systems integrators, equipment suppliers in defense, aerospace, and space, and airlines. The company has 19,000 employees across five continents and holds numerous certifications including EN9100, AQAP2110, ISO 14001, ISO 45001, ISO 9001, EASA Part-145, EASA Part-21G, FAA 14 CFR Part-145, and various national aviation authority approvals.

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

Customer Service

Safran Electronics & Defense offers a wide range of personalized customer services to support its clients.

Product catalogue

SAFRAN ELECTRONICS DEFENSE SPACE

ASTRO 10 Star Tracker

Compact, high-accuracy star tracker for satellite attitude determination, flight-proven on over 50 missions worldwide.

Type	Star tracker
Accuracy	<1 arcsecond (2-sigma)
Heritage	50+ missions
Orbits	LEO, MEO, GEO, interplanetary

price on request



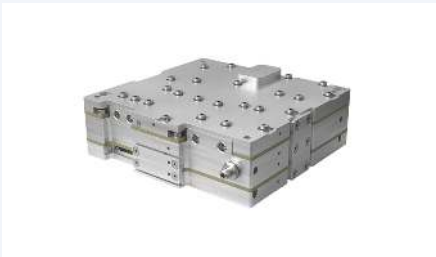
SAFRAN ELECTRONICS DEFENSE SPACE

Hydra

Hydra is a high-performance, modular star tracker system available in various configurations to match different mission profiles and architectures, offering autonomous operation an

Flight-proven since	2012
Units launched	More than 245
Hours in operation	Over ten million
Sun exclusion angle	26°
Hydra - Access delivery time	8-week
Hydra - Access optical heads	Up to 3
Hydra - Baseline electronic unit versions	LEO, GEO (with enhanced radiation shielding), and TC "Two Channels"

price on request [datasheet](#)



SAFRAN ELECTRONICS DEFENSE SPACE

N-SPHERE Space GNSS Receiver

Software-Defined Radio GNSS receiver with sub-0.5m position accuracy and Real-Time Precise Onboard Orbit Determination, selected for LeoStella LS-300 constellation.

Position accuracy	< 0.5 m (P20D algorithm)
Constellations	GPS, GALILEO, BeiDou, GLONASS
Radiation tolerance	15 krad TID
Architecture	Software-Defined Radio (SDR)
Heritage	LeoStella LS-300 selected 2024

price on request

SAFRAN ELECTRONICS DEFENSE SPACE

SiREUS Inertial Reference Unit

Space-grade hemispherical resonator gyroscope (HRG) inertial reference unit for satellite navigation and attitude control.

Technology	Hemispherical Resonator Gyroscope (HRG)
Moving parts	None (solid-state)
Application	Satellite AOCs inertial navigation

price on request



SAFRAN ELECTRONICS DEFENSE SPACE

STIM210 MEMS Gyroscope Module

Compact tactical-grade MEMS gyroscope module with 0.3 deg/hr bias stability, LEO-proven on over 30 satellite programs since 2012.

Bias stability	0.3 deg/hr
ARW	0.15 deg/sqrt(h)
Mass	52 g
Power	1.3 W
Radiation tolerance	5-7 krad TID
Heritage	30+ satellite programs since 2012
ITAR	Free

price on request

Contact Safran Electronics Defense Space

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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