



SPACENAUTE™

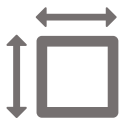
Ultra-compact and low cost inertial measurement unit for space launchers

Competitive, accurate and compact, SpaceNaute is the most advanced inertial measurement unit for space applications in the world. Selected and qualified for Ariane 6 European launcher, it offers excellent performance and very high reliability under harsh conditions.

Safran Federal Systems is the trusted Resilient PNT mission partner to U.S. government and defense organizations, from the lab to the field.



RUGGEDIZED FOR SPACE ENVIRONMENTS



OPTIMIZED SIZE, WEIGHT,
AND POWER



HRG UNLIMITED LIFE DURATION

Designed to be at the heart of the trajectory management, SpaceNaute is the most cost-effective SWaP oriented solution in the world. SpaceNaute covers broad space-applications, from the launch into orbit to space exploration.

SpaceNaute is designed to enable highly-accurate injection in orbit, with fully autonomous and accurate navigation, guidance and control of space launchers in all kind of missions:

- Sun-Synchronous Orbit (SSO)
- Geostationary Earth Orbit (GEO)
- Geostationary Transfer Orbit (GTO and GTO+)
- Deorbitation
- Deep Space Exploration

Thanks to the HRG Technology and Constant Accuracy Improvement, Safran Federal Systems works day after day to improve all customers' space missions.

Characteristics	SpaceNaute™
Size	6.9 liters
Weight	15.4 lbs
Power	< 16 W
Gyro Bias	<< 0.01° /h
Accelerometer Bias	<< 50 µg



+40,000

HRG for space, aeronautical, land, and naval applications

+20 MILLION

HRG operating hours

+50 YEARS

of expertise in inertial solutions for space launchers

ACCURACY & INTEGRITY

Guaranteed by the quality of sensors and algorithms

ROBUSTNESS & RELIABILITY

Guaranteed by mature innovations

EASY TO INTEGRATE

Guaranteed by the optimization of the Size, Weight, Power & Cost

**POWERED
BY TRUST**