

INVAP
SPACE

**LEO
Next-Generation
Satellite Platform**



You know what you need, we make it happen.

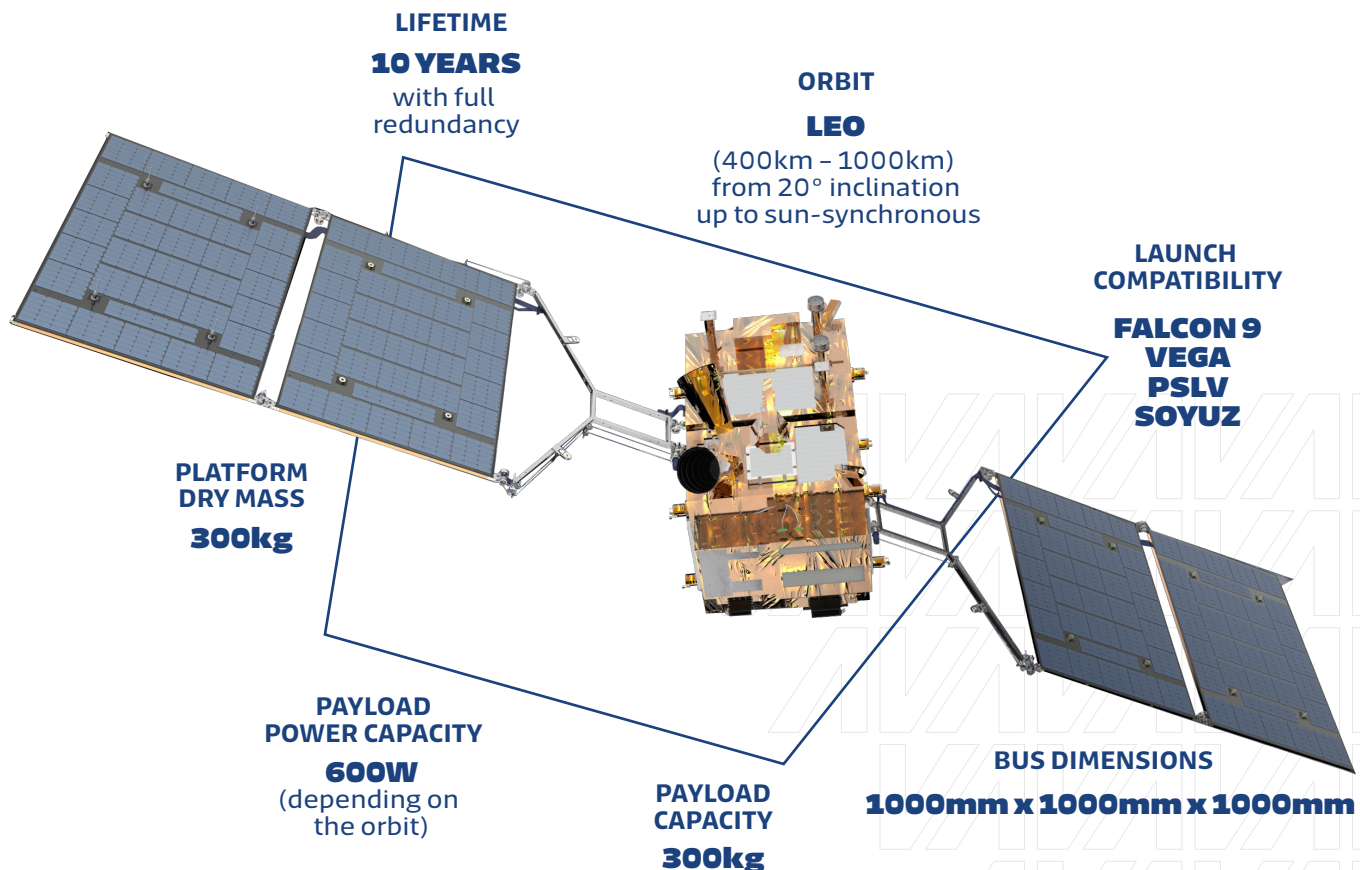
Our satellite platform, designed for demanding space missions, delivers **unparalleled reliability and flexibility** for commercial, defense, and scientific applications.

Built on three decades of experience in the space industry, our fully redundant platform has a mission **lifespan of 10 years**. Supports **payloads of up to 150 kg** with an average power of 600W.

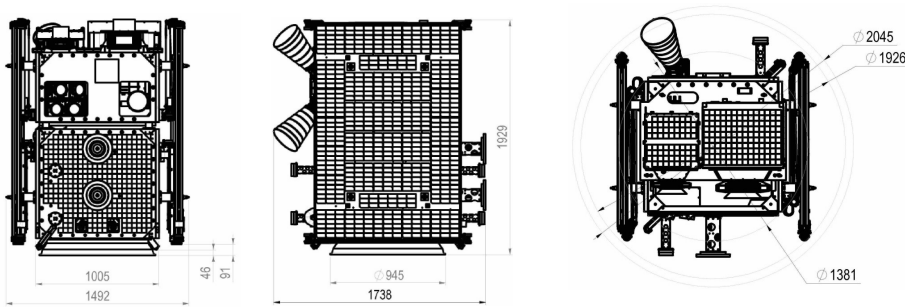
PRECISION ATTITUDE CONTROL

ADVANCED PROPULSION SYSTEM

MISSION PARAMETERS



REFERENCE OF TYPICAL OPTICAL MISSION



ADVANCED SATELLITE PAYLOADS

Unlock the full potential of space with our cutting-edge satellite payloads. Designed for unparalleled performance, our solutions deliver superior imaging, intelligence, and connectivity for commercial, defense, and scientific applications.

HIGH-RESOLUTION & MULTISPECTRAL IMAGING

- **High-Resolution Cameras** – Capture precise details from orbit.
- **Multispectral & NIR (Near Infrared) Cameras** – Enhance vegetation, water, and land monitoring.
- **SWIR (Short Wave Infrared) & TIR (Thermal Infrared) Cameras** – Detect heat signatures and material compositions.

AI-POWERED ON-BOARD PROCESSING

- **Cloud Detection AI** – Optimize image acquisition with automated cloud filtering.
- **Target Detection & Classification AI** – Identify and analyze land and maritime objects with precision.

SYNTHETIC APERTURE RADAR & DATA PROCESSING

- **X-Band SAR with Onboard Processing** – Penetrate clouds and darkness for all-weather, high-resolution imaging.

CONNECTIVITY & DATA FUSION

- **AIS (Automatic Identification System)** – Enhance maritime situational awareness.
- **ISL (Inter-Satellite Link)** – Enable seamless satellite communication networks.
- **Signal Intelligence** – Capture and analyze electronic signals for strategic insights.
- **IoT (Internet of Things)** – Connect devices worldwide with space-based IoT solutions.

OVER 30 YEARS OF SPACE HERITAGE



A LONG-STANDING LEGACY OF SUCCESSFUL, SPACE-PROVEN TECHNOLOGY.



Headquarters, San Carlos de Bariloche, Argentina

INVAP is a high-tech company specialized in custom designed complex projects.

Our business areas cover the fields of Space, Nuclear, Defense, Security, Environment and Medical Systems.

CONTACT US

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