

REVOLUTIONIZING EARTH OBSERVATION WITH PLAN-S



Plan-S Earth Observation services deliver high-resolution imagery and actionable insights across diverse industries, enabling smarter, more sustainable decision-making.

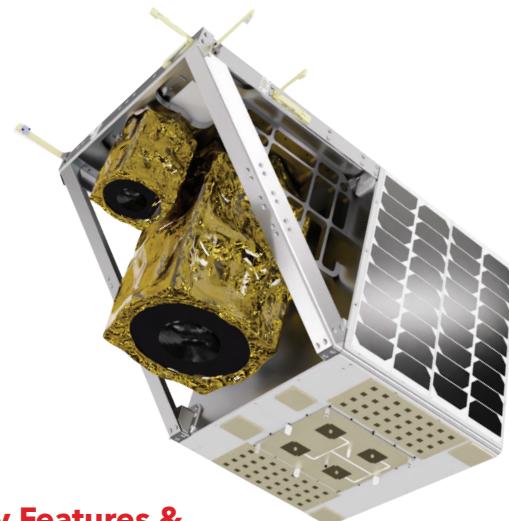
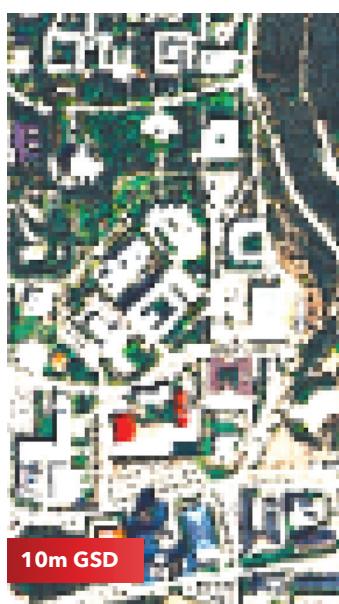
Harness the power of advanced satellite technology and data analytics to transform the way you view and manage the world.

► **Unveiling the Observa Satellite Constellation**

Precision Imaging for Every Industry

The Observa constellation combines advanced technology with a modular design to deliver high-resolution imagery and timely updates customized to suit your specific needs.

- **Optical & Multispectral Imaging:** Capture surface details with 1.5m GSD resolution.
- **Thermal Imaging Capabilities:** Analyze environmental and industrial parameters with precision.
- **Frequent Revisit Times:** Stay ahead with global coverage averaging 1 hour 48 minutes for targeted locations.



► **Key Features & Capabilities**

High-Performance Payloads

- VIS (Visible), NIR (Near InfraRed) and TIR (Thermal InfraRed) bands for diverse imaging needs.
- Fully designed and manufactured in-house for superior quality and performance.

Onboard Image Processing

- Use of artificial intelligence and machine learning modalities for rapid and accurate data analysis.
- Delivering actionable insights tailored to industry specific applications.

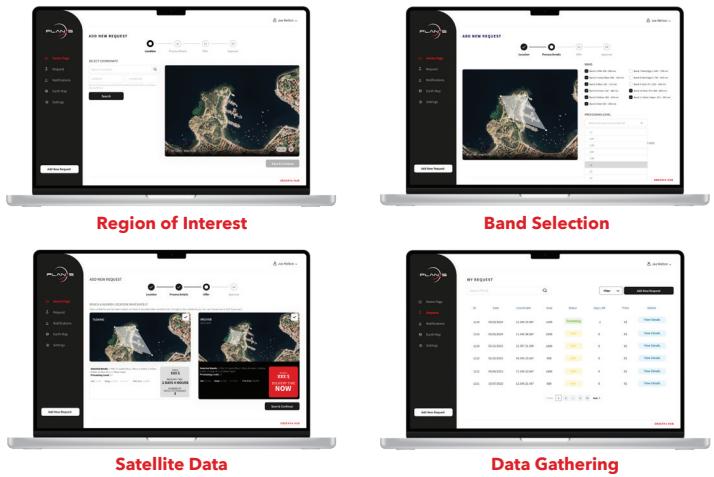
Scalable & Modular Design

- Constellation expansion ensures uninterrupted service as your needs grow.

► Introducing of Observa Hub

Your Gateway to Seamless Data Access

- **User-Friendly Interface:** Intuitive dashboards provide quick access to high-resolution imagery and analytics.
- **Comprehensive Analysis:** Integration of panchromatic, multispectral and thermal imaging for robust data interpretation.
- **Industry-Specific Solutions:** Customized dashboards cater to the unique needs of agriculture, urban planning, disaster response and more.



► Advanced Analytics

Advanced Analytics solutions are provided to customers' needs with spectral use cases.

Supporting data can be combined with satellite imagery to provide more **accurate results**.

Custom made **AI algorithms** provide industry leading outperforming results to tackle with sector specific challenges.

Time-Variant Data Analytics Interfaces offer comprehensive analysis of changing environments with respect to time.

► Industries & Applications

Insurance & Finance Solutions

Satellite data analytics for natural disaster risk management, parametric insurance modeling, and physical asset valuation:

- Pre-disaster risk analysis and early warning systems
- Satellite-based parametric insurance solutions
- Multispectral physical risk assessment for real estate and infrastructure
- Global commodities intelligence (via agricultural production monitoring)

Agriculture & Forestry Solutions

Analytical reporting for precision farming and forest ecosystem conservation:

- Crop health, soil moisture, and biomass monitoring
- Satellite-supported yield prediction
- Variable-rate irrigation/fertilization optimization
- Detection of forest fires, deforestation, and illegal logging



Energy & Public Sector Solutions

Integrated solutions for urban planning, infrastructure monitoring, and sustainability management:

- 3D city modeling and digital twin applications
- Vegetation encroachment monitoring and leak detection for power lines/pipelines
- Space-based greenhouse gas emission tracking
- Mineral exploration using hyperspectral data

Environmental Intelligence Solutions

Data platform for climate change mitigation and urban sustainability management:

- Urban air quality and heat island effect modeling
- High-resolution meteorological forecasting systems
- Verifiable data provision for carbon credit calculations



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