



SPACE AGENCY OF THE REPUBLIC OF AZERBAIJAN

platera

AI-powered SaaS Platform for Satellite Imagery Analysis

developed by azercosmos

General Statistics -

The Satellite Data Analysis Challenge

Global Satellite Data & Geospatial Analytics Landscape

Manual Analysis is Slow and Limited

- Traditional interpretation relies on **manual visual analysis by experts**, which is time-consuming and often limited to analyzing **one image at a time**.
- Processing and evaluating large geographic datasets is **expensive and labor-intensive**.

Growing Demand for Geospatial Intelligence

- The **global geospatial analytics market reached \$38.3 billion in 2024** and is expected to grow rapidly with AI and satellite technologies.
- The **Earth observation market is about \$4.1 billion in 2024** and continues expanding globally.

Key Challenge:

Organizations struggle to **transform massive satellite datasets into actionable insights quickly**.

Platerra addresses this challenge by using AI to automatically convert satellite imagery into actionable geospatial insights.





Platerra is a cloud-based SaaS that uses AI to transform satellite imagery into actionable geospatial insights.

Powerful AI:

Automates satellite imagery analysis with curated geospatial AI models

User-friendly:

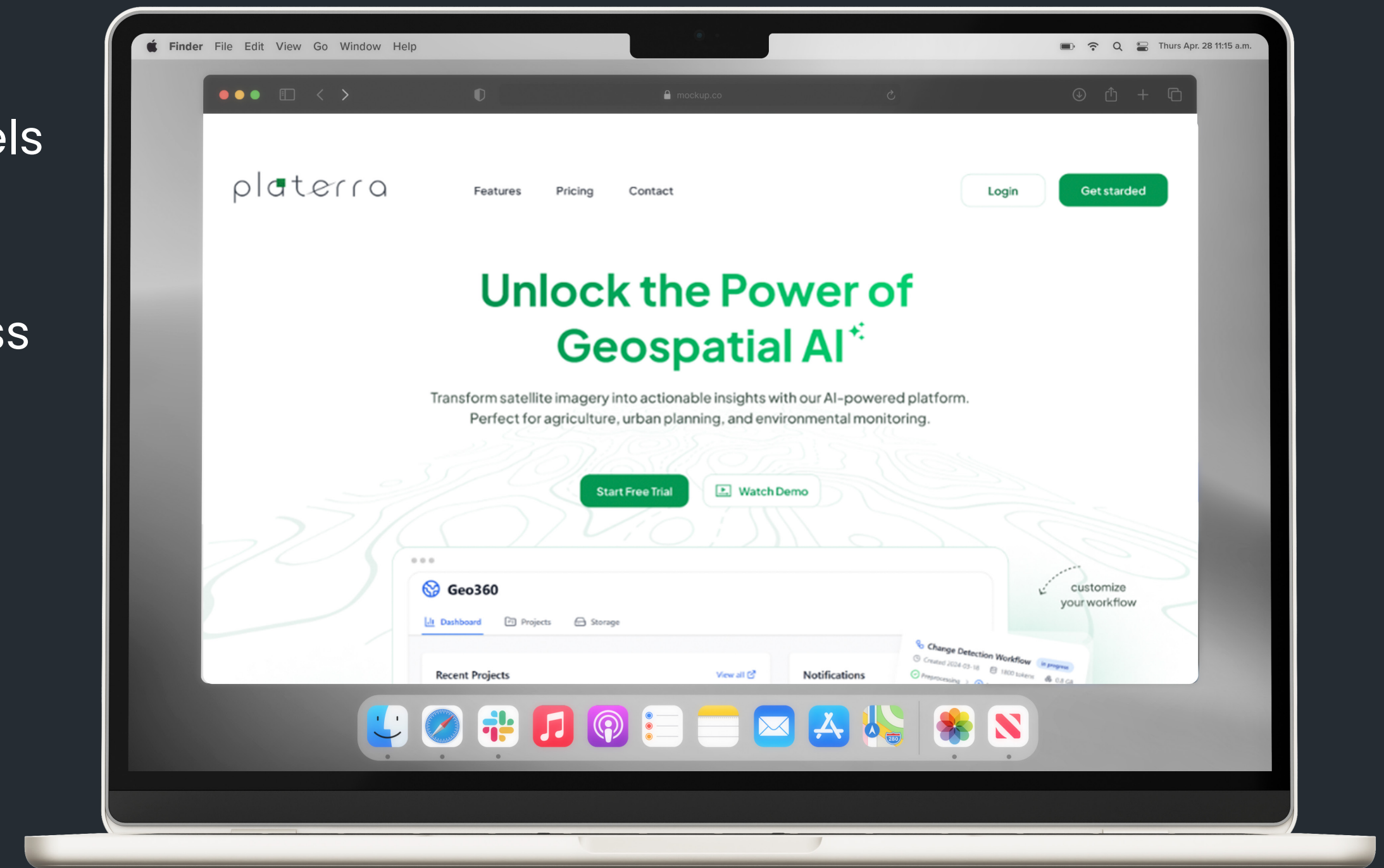
Provides intuitive interface, guided processes, no-code AI model access

Efficient Workflow:

Seamless data upload, storage, processing and visualization

Flexible Monetization:

Free trial, tiered subscriptions, token-based usage



AI Solutions

The Platform includes following AI solutions

- Super Resolution 2x
- Super Resolution 4x
- Forest Segmentation
- Vehicle detection
- Field delineation
- Water body segmentation
- Building detection



Benefits of Platerra

■ AI-Powered Geospatial Intelligence

Transforms raw satellite imagery into meaningful insights using advanced AI analytics.

■ Actionable Decision Support

Provides clear, data-driven insights that help organizations make faster and more informed decisions.

■ Cloud-Based Accessibility

Accessible from anywhere through a secure cloud platform, creates data access and collaboration.

■ Scalable SaaS Solution

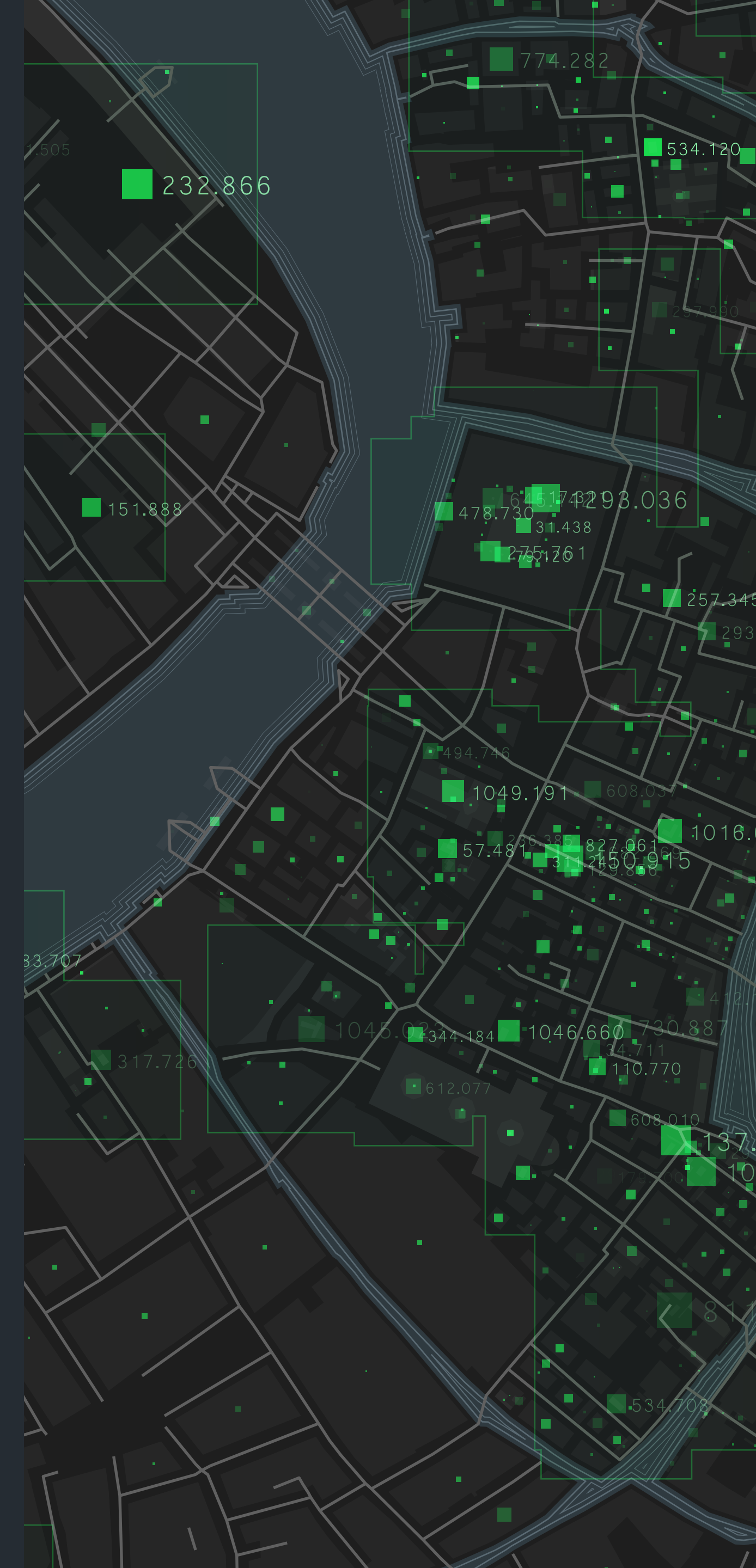
Flexible subscription-based platform that scales easily with organizational needs.

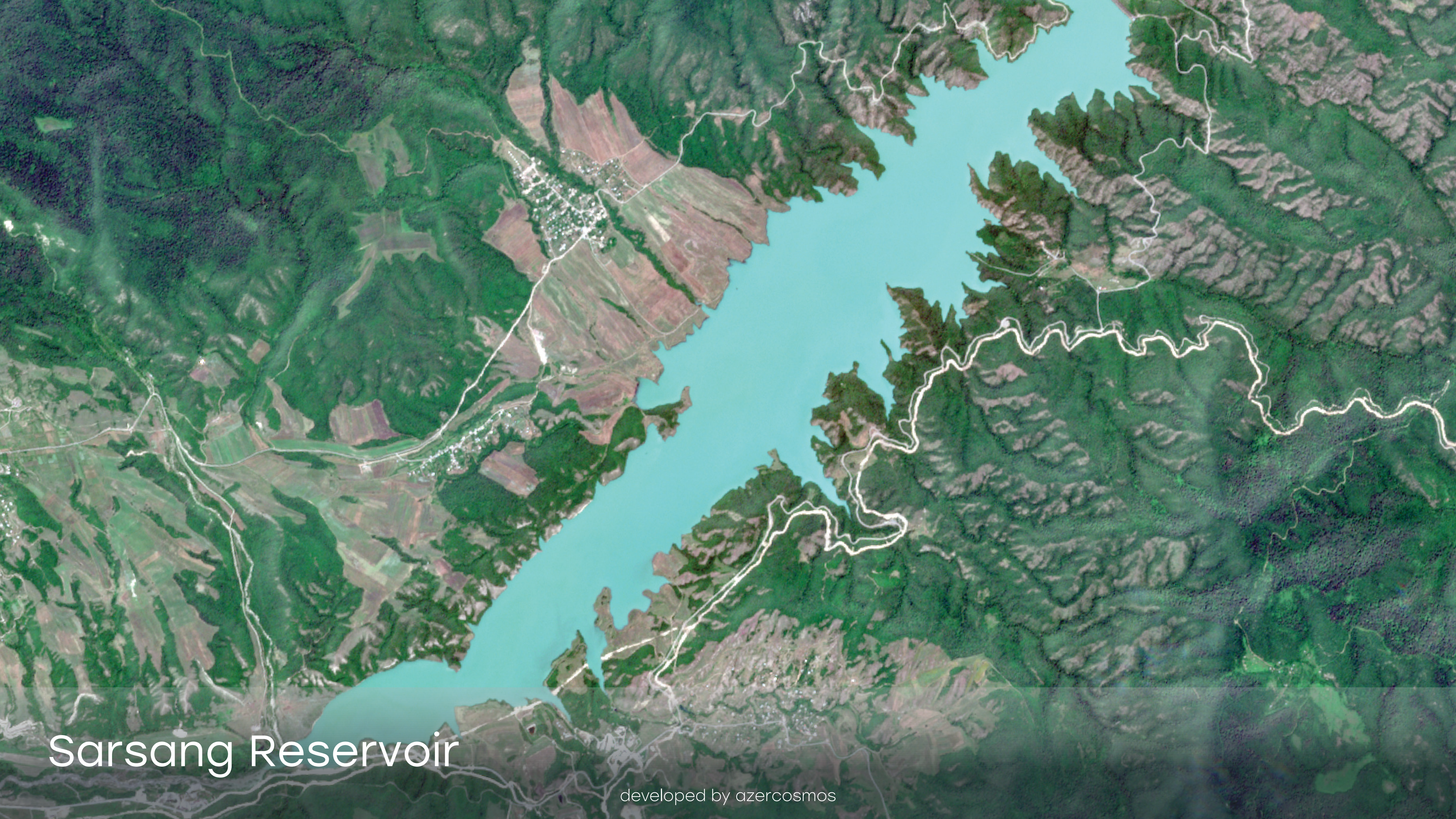
■ Automated Data Processing

Reduces manual analysis by automatically processing large volumes of satellite imagery.

■ Faster Insight Generation

Delivers timely geospatial intelligence for monitoring, planning, and operational response.





Sarsang Reservoir

developed by azercosmos

Collaboration Opportunities

■ Government & Public Sector

Support national programs in land monitoring, environmental protection, urban planning, and disaster management.

■ Industry Partnerships

Deliver satellite-based analytics to energy, agriculture, mining, and infrastructure industries.

■ Research & Academic Collaboration

Collaborate with universities to develop advanced AI and geospatial solutions.



Technology & Data Integration

Integrate Platerra with existing GIS platforms, data systems, and analytics tools.



International Cooperation

Enable cross-border collaboration using shared satellite data and geospatial insights.





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