SATELLITE-BASED MONITORING SERVICE FOR LAND AND INFRASTRUCTURE STABILITY

Rheticus®
DISPLACEMENT

SATELLITE MONITORING TO SAFEGUARD THE TERRITORY AND INFRASTRUCTURE.

Land instability can cause severe damage to infrastructure and the environment, and it poses a threat to citizen safety.

The use of advanced technological solutions for monitoring and predicting instability allows preventing disasters by monitoring ground motion phenomena to detect potential risks in time.

INDUSTRIES.

GOVERNMENT
National and Local Administrations, Civil Protection, Geological Survey Agencies.

ENGINEERING
Transportation (Airports, Roads & Railways), Industrial plants, Construction.

OTHER
Insurance companies

RHETICUS® DISPLACEMENT.

Timely track any ground motion phenomena, and ensure steady ground monitoring in areas affected by subsidence and landslides.

As a Rheticus® Displacement user, you will gain access to a wide array of crucial information of your area of interest in the form of dynamic maps, reports, and alerts.

Rheticus® Displacement is the perfect tool for authorities and agencies involved in geological surveys, emergency management, disaster risk reduction, land planning, and critical infrastructure safeguarding.

BENEFITS

- **ENHANCE LAND MONITORING AND GROUND MOVEMENT DETECTION**
- **GET UP-TO-DATE SYNOPTIC VIEW OF AREAS AT RISKS**
- **GET SMART ACTIONABLE REPORTS, ANALYTICS, AND MAPS**
- **SAVE BOTH TIME AND MONEY**

ACTIONABLE INSIGHTS FOR YOUR BUSINESS.

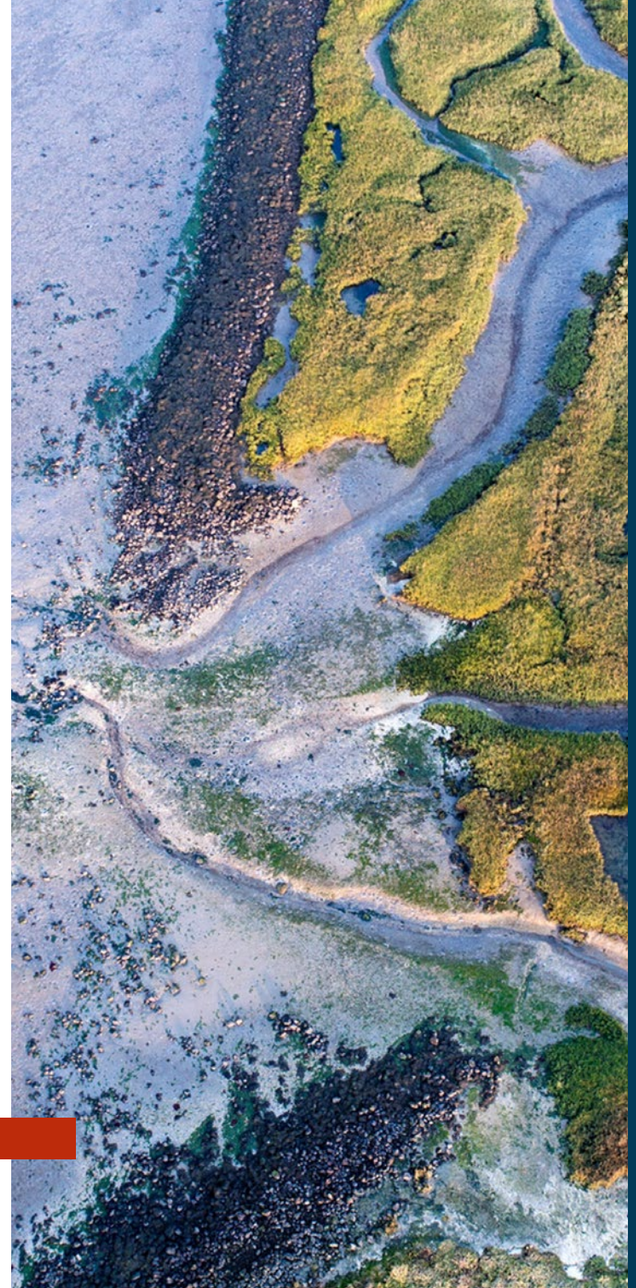
Based on the continuous analysis of radar satellite data, Rheticus® Displacement enables the long-term monitoring of ground motion phenomena like subsidence and landslides. It allows the identification of areas with different levels of risk. The service provides information and analytics, which can be easily integrated with clients' information sources and internal systems, for an exhaustive and precise overview of the entire area of interest. With the predictive analysis, the system highlights potential problems before they become critical, allowing stakeholders to promptly intervene, ensuring people safety, and optimizing management activities.

FROM SATELLITE TO YOUR HANDS IN 4 STEPS

- Satellite image acquisition
- Constantly updated information, ranging over the whole area of interest
- Accessible, easy-to-read, and actionable report
- Field investigation

EVERYTHING UNDER CONTROL.

Through an intuitive and easy-to-use dashboard, users get access to dynamic maps, reports, and alerts about millimetric displacement measurements that enable accurate analysis and reporting of any event.
Through the panel, using the customizable filters and the dynamic dashboard, it is possible to identify the risk zone immediately, select and zoom a predefined area checking the status, velocity, and acceleration of ground movements, measured continuously by radar satellites.



Up-to-date insights on land and infrastructure stability

Pinpoint unstable areas, improving safety and planning

Previous expertise with GIS or Earth Observation Data is not required

Continuous monitoring on areas affected by landslides and subsidence

Enhanced land monitoring and reporting

Citizen and infrastructures safety is dramatically improved

GATHER GEOSPATIAL INTELLIGENCE, NOW.

Many users have already discovered the benefits of Rheticus® Displacement. Search our website for our customers' success stories and learn about the benefits of integrating Rheticus geoinformation services in your management and operational activities.
For commercial and technical support, you will always count on our global team of authorized distributors and Planetek Italia's experience of over 25 years.
Gather geospatial intelligence now. Contact us or request a demo.

WHAT CUSTOMERS SAY

This service gives us the opportunity to monitor in real-time the dynamic of ground movements and identify the most critical points.

Concetta Meli,
Municipality of Niscemi,
Sicily, Italy

Rheticus®

monitoring the evolution of our earth

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Developed by

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EFFEDIEMME | Brand builders