SATELLITE-BASED MONITORING SERVICE FOR BURNT AREAS

Rheticus®
WILDFIRES

MONITORING SERVICE FOR POST-WILDFIRE RECOVERY ACTIVITIES.

Wildfires represent an environmental, economic, and social problem that affects tens of thousands of hectares of land each year, causing a significant loss of precious forests and invaluable biodiversity.

Climate change increments the risk.

Post-fire recovery management and planning requires costly and time-consuming activities, and a database of burn scars continuously up-to-date. Satellite monitoring provides a cost-effective and efficient solution to continuously collect, visualize, and analyze burnt areas, even in remote and morphologically complex territories.

INDUSTRIES.

GOVERNMENT

National Parks,
National and Local Administrations.

RHETICUS®
WILDFIRES.

Timely analyze and plan recovery activities for parks, forests, and remote areas affected by wildfires.

Rheticus® Wildfires is a geo-information service designed for post-wildfire recovery activity monitoring and planning that allows burnt area progression tracking, measurement, and analysis.

Rheticus® Wildfires provides dynamic maps, geo-analytics, and pre-set reports fueled by Earth observation satellites to help park managers and authorities to organize effective recovery planning, efficiently coordinate and manage response teams, and detect any illegal human-made activity.

BENEFITS

**TRACK WILDFIRE PROGRESSION
AND ANALYZE BURNT AREAS**

**EFFECTIVELY PLAN RECOVERY
STRATEGIES WITHIN BURNT AREAS**

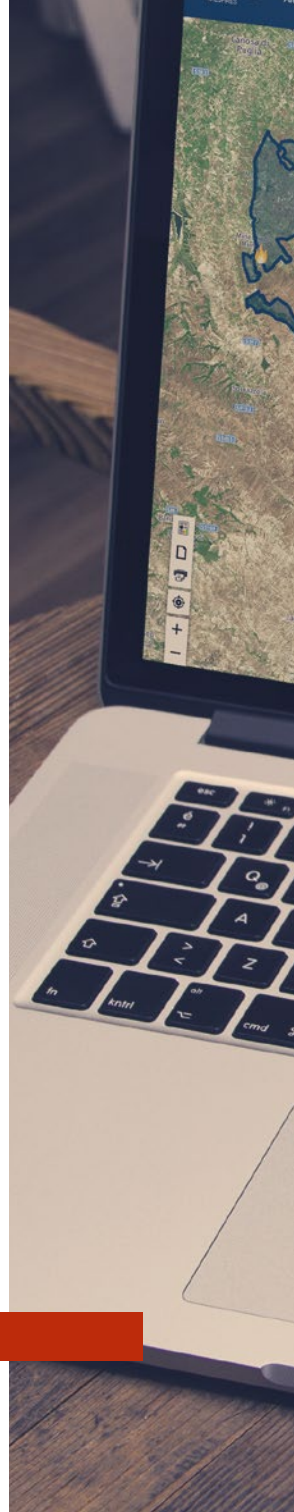**DETECT ILLEGAL LAND USE/LAND-COVER CHANGES**

**GET SMART ACTIONABLE REPORTS,
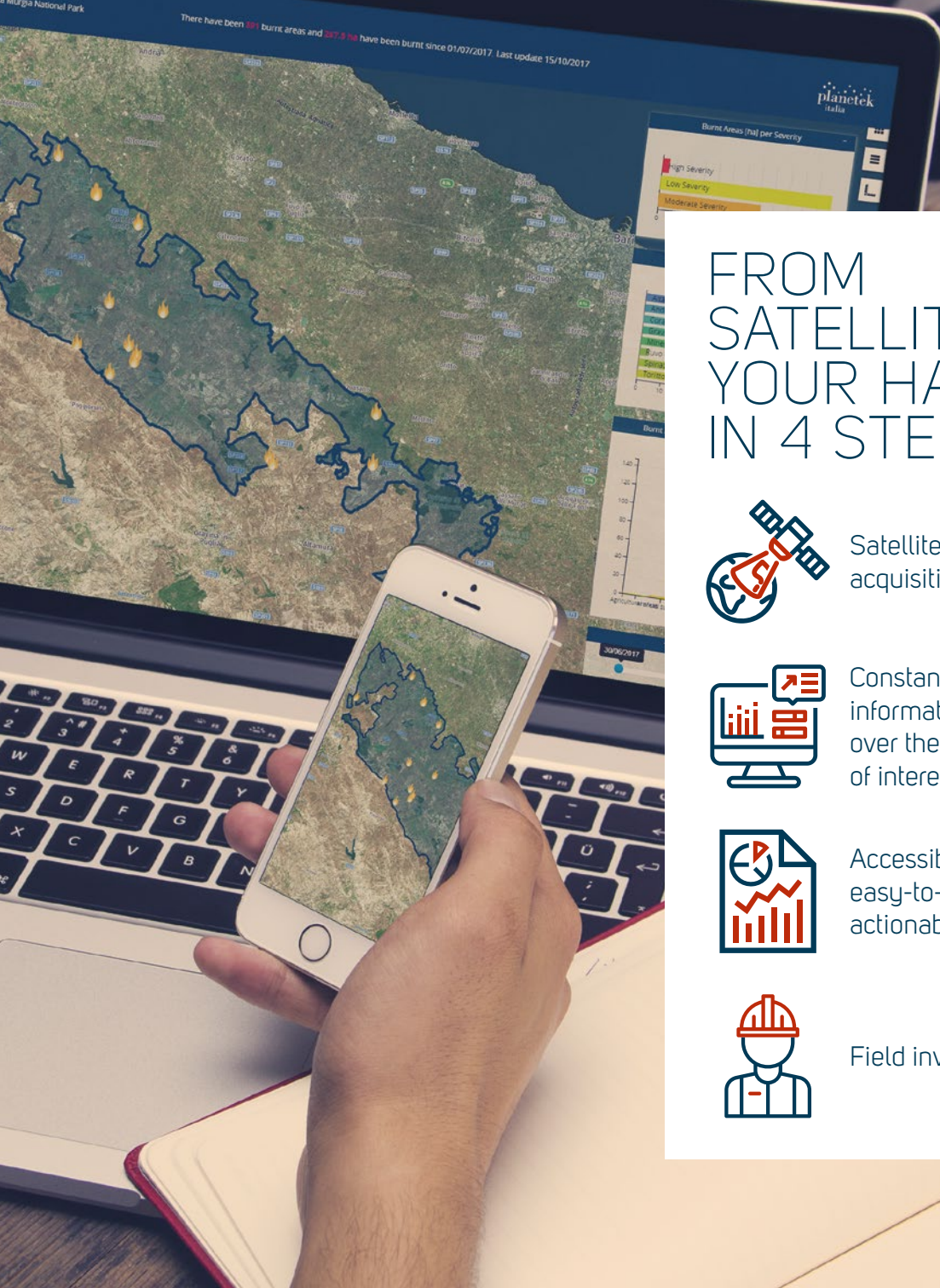ANALYTICS, AND MAPS**

ACTIONABLE INSIGHTS FOR POST-FIRE RECOVERY ACTIVITIES.

The service provides key information derived from open satellite data through tested models and algorithms. It generates **thematic maps, dynamic geo-analytics and predefined reports.**
The service simplifies big data, streaming large information from various open data sources making them available into an interactive and user-friendly dashboard with many options and filters.

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.

Rheticus® Wildfires is fueled by satellite and other data sources. It is designed to provide thematic maps, dynamic geo-analytics, predefined reports useful for post-fire recovery activity management, identifying burnt areas (classified according to the severity of the damage), and continuously monitoring the vegetative growth. Users are notified about the evolution of burnt areas over time while obtaining a comprehensive, systematic overview of the selected area's environmental resource status and potential anomalies.

Weekly burnt
area detection

Fire severity
classification

Quarterly detection
of illegal land
use/land
cover changes

Yearly vegetation
regrowth analysis

Automatic and
continual monitoring

AI algorithms and
integration with
user's technologies

GATHER GEOSPATIAL INTELLIGENCE, NOW.

Many users have already discovered the benefits of Rheticus® Wildfires.
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 on Planetek Italia's experience of over 25 years.
Gather geospatial intelligence, now. Contact us or request a demo.

WHAT CUSTOMERS SAY

Rheticus® has helped us to oversee and report fire activity, support our fire management and recovery planning through actionable knowledge on burnt areas.

Chiara Mattia,
Alta Murgia National Park, Italy

Rheticus®

monitoring the evolution of our earth

INFO@RHETICUS.EU | WWW.RHETICUS.EU

Developed by

planetek
italia