SATELLITE-BASED MONITORING SERVICE OF THE COASTAL AND MARINE AREAS

Rheticus®

MARINE

DYNAMIC SATELLITE MONITORING OF WATER QUALITY STATUS.

The marine and coastal environments are particularly exposed to anthropogenic pressures, pollution, and climate change. Eutrophication of coastal areas is one of the most fundamental and well-known water quality problems for densely populated and industrialized countries.

It is among the Marine Directive's descriptors of the European Union (MSFD) needed to assess the good status of the environment (Good Environmental Status) of marine areas.

Furthermore, the Water Framework Directive (WFD) includes eutrophication in the classification of ecological status, as it affects the biological and physical-chemical parameters of water quality.

INDUSTRIES.

GOVERNMENT
National-to-Local Administrations duties, Parks.

FOOD
Fishery, Aquaculture.

ENERGY AND ENGINEERING
Desalination, Energy supply, Oil&Gas.

RHETICUS® MARINE.

**Get the vital information your coastline
and marine assets need to be safe and clean.**

Rheticus® Marine is our tool for national and local authorities, it helps them in complying with environmental reporting duties (Marine Strategy and Water Framework Directives), as well as timely keeping track of any change of water and coastlines conditions that may result in severe issues.

It also provides you with serviceable geo-analytics data, near-real-time maps on parameters such as coastal water quality, as well as eutrophication statistics such as chlorophyll, turbidity, transparency, not to mention timely alerts that assist you in taking immediate action when needed.

All information is accessible through a user-friendly web interface, just login and sustainable management of sea water quality and safety will be at your fingertip.

BENEFITS

**GET ACCURATE AND RELIABLE
SATELLITE-BASED INFORMATION**

MONITOR ENVIRONMENTAL PARAMETERS

ENHANCE ENVIRONMENTAL REPORTING

IMPLEMENT RISK MITIGATION

ACTIONABLE INSIGHTS FOR YOUR REPORTING.

Rheticus® Marine service offers users detailed geospatial information and a complete picture of the seawaters' quality and evolution over time, helping to reach a full overview of coastal areas and marine resources.
The excellent support to spot trends and to anticipate risky situations and harmful events.
Users can access dynamic maps, reports, and alerts through a friendly and easy-to-use dashboard to quickly identify the water status.
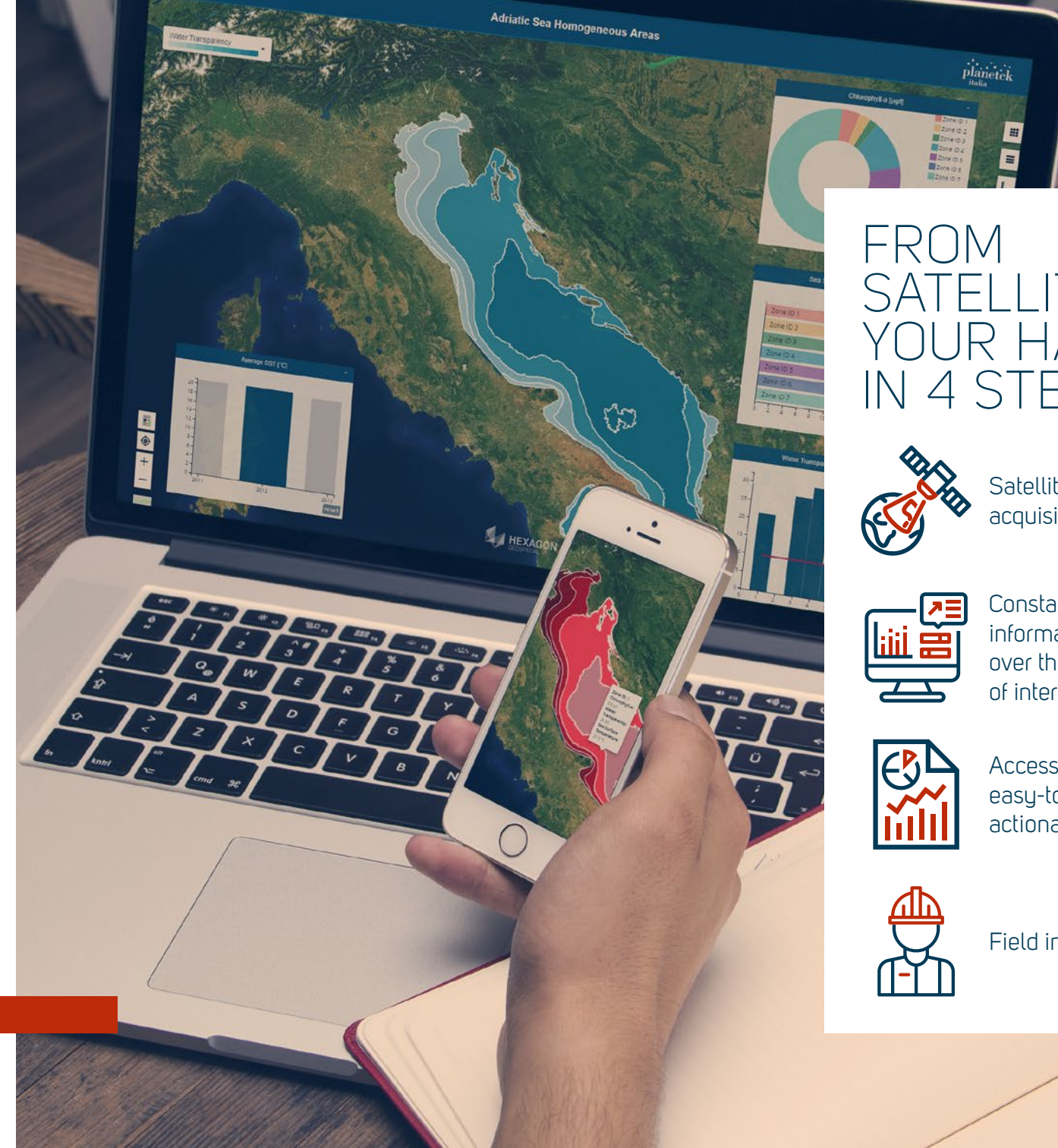
FROM SATELLITE TO YOUR HANDS IN 4 STEPS

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.

The quality parameters of the water analyzed are chlorophyll, water transparency, turbidity, temperature, dissolved oxygen, salinity.
They are provided thanks to the satellite open data available daily on the area of interest indicated by the user.
Additional statistics are provided, on time aggregations every 10 and 30 days.

Subscription-based

Backward analysis and continuous update

Environmental reporting compliant to EU Marine and Water Framework Directives

24/7 Synoptic view

No need to install expensive ground sensors

Cloud-based

GATHER GEOSPATIAL INTELLIGENCE, NOW.

Many users have already discovered the benefits of Rheticus® Marine.
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

Thanks to Rheticus® service we are able to provide everyday accurate and reliable information about water quality parameters in our regions coastal area.

Serafim Tsipelis,
Water Directorate, Decentralized Administration of Epirus and Western Macedonia, Greece.

Rheticus®

monitoring the evolution of our earth

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