EO solutions for critical infrastructures monitoring



Planetek Group

Our Premises

Bari – Athens - Rome





year 1994

year **2006**



Planetek Group Key Numbers

Small Medium Enterprise

people **60**

people 25



M€/y 5,8

K€/y **1,1**





Planetek main activities

EO Services

- Coastal Management
- Water Quality
- Urban, Land, Forestry
- Law Enforcement, Security, Emergency
- Climate Change (Land)
- Agriculture, Mining, Infrastructure, Aquaculture
- Space Weather



EO Platform & Technologies

- TEP/DIAS
- SDI
- RHETICUS
- Application Platforms
- Cyber Security
- Artificial Intelligence
- Blockchain
- PDGS processing pipelines
- Onboard Software
- Payload Control Center & EGSE SW



Geo-Info as a service

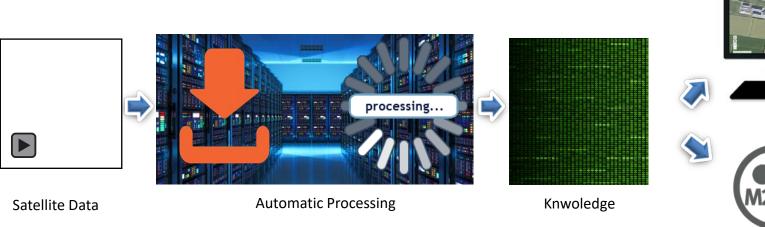
Automatic cloud-based geoinformation service platform for territorial monitoring



www.rheticus.eu

Data Processing Workflow









Rheticus® is an automatic cloud-based geo-information service platform for Land, Water and Infrastructure monitoring



Rheticus® Services



Landslide & subsidence monitoring for land-use and infrastructure



Monitoring water and sewer networks



Dynamic Roadway and Railway Networks Monitoring



Monitoring of coastal water & freshwater quality and marine resource exploitation



Urban dynamics monitoring for anthropogenic changes



Burnt area detection, fire severity, vegetation regrowth, illegal infrastructure



Vineyards monitoring and identification of biophysical parameters



Farm monitoring and identification of best harvesting and selling times for optimizing aquaculture activities



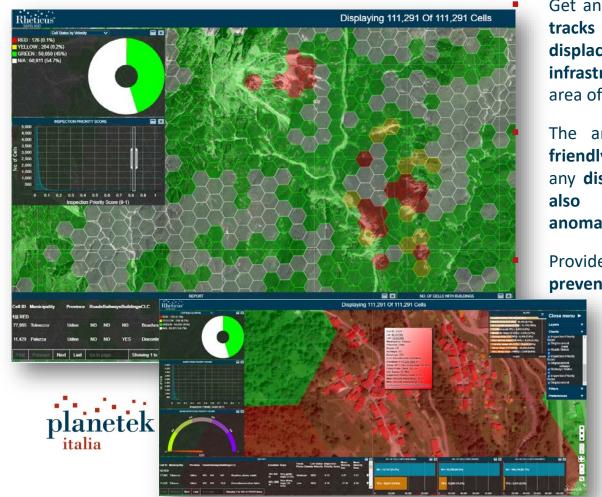
Rheticus® Services for Infrastructures Monitoring



Rheticus® Displacement



Rheticus® Safeland



Get an in-depth analysis, which thoroughly tracks any relevant event, such as ground displacement, average slope, existing infrastructures or buildings, within your area of interest

The analysis leads to a reliable, userfriendly, periodical report, that pinpoints any displacement to the millimeter, while also tracking emerging trends and anomalies

Provides invaluable **assistance** with damage **prevention** and limitation



Rheticus® Safeway



Rheticus® Urban Dynamics

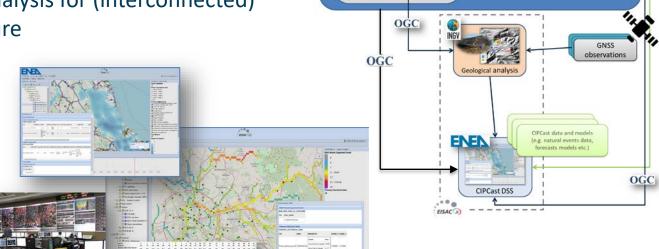




SCIRES – Supporting Critical Infrastructures Resilience from Space

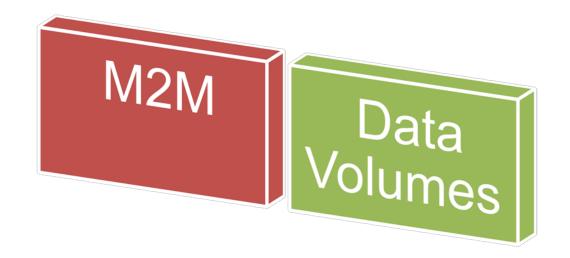
 Planetek is leading the SCIRES initiative, with ENEA and INGV (EISAC.it)

 Rheticus® and CIPCast (the ENEA DSS for Critical infrastructure) have been integrated to deliver multivariate risk analysis for (interconnected) Critical Infrastructure





Towards efficiency





Grazie!

Massimo Zotti
Head of Government & Security SBU

zotti@planetek.it



8

blog.planetek.it



planetekitalia



planetek



@planetek

www.planetek.it



