



SATELLITE-BASED MONITORING SERVICE OF URBAN DYNAMICS

Rheticus®
URBAN DYNAMICS

SATELLITE MONITORING OF URBAN LAND CHANGE.

The UN Sustainable Development Goal 11 is a call to action for all countries to “Make cities inclusive, safe, resilient, and sustainable.”

Rapid urbanization is resulting in a growing number of infrastructures and unplanned urban sprawl.

To start building sustainable cities and communities, authorities and planners need to plan and make decisions based on data and knowledge about the land and urban dynamics.

Satellite-based analytics and Big Data are today a powerful must-have source of information in the Smart City toolbox.

INDUSTRIES.

GOVERNMENT

National-and Local Authorities in charge of land planning or environmental monitoring and reporting.

OTHER

Professionals dealing with land planning and soil management.





RHETICUS[®] URBAN DYNAMICS.

Successfully handle urban sprawl and achieve smart growth.

Rheticus[®] Urban Dynamics is the cloud-based tool that provides invaluable insights for smart city planning, by offering steady and exceptionally accurate monitoring of land use/land-cover changes, soil consumption, impervious surfaces assessment, and urban heat islands detection, as well as supporting spatial planning.

Most importantly, especially if you want to achieve actual smart growth, Urban Dynamics helps you in implementing and complying with UN's Sustainable Development Goals.

BENEFITS



**ENHANCE LAND MONITORING
AND PLANNING ACTIVITIES**



**GET UP-TO-DATE SYNOPTIC VIEW OF
URBAN SPRAWL AND SOIL CONSUMPTION**



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



SAVE BOTH TIME AND MONEY

ACTIONABLE INSIGHTS FOR YOUR SMART CITY.

Based on the continuous processing of satellite data, **Rheticus® Urban Dynamics** allows to monitor urban changes and their evolutionary trend over time, facilitating planning activities and land management.

The report includes indicators and actionable insight that provide an easy-to-read overview that **allows users to make quick and informed decisions**. All detailed info are accessible in a simple and user-friendly way by the Rheticus® geo-portal, available 24/7 from any device.



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® Urban Dynamics ensures continuous monitoring in any location, together with an historical archive of the evolutionary trends of the implementation of urban plans and their level of completion. The monitored area of interest is classified according to macro-functional categories such as public parks, according to macro-functional categories such as public parks, private green, public road network, private road network, public services, public and private buildings. All this information is updated and available to operators in the sector in an immediate and intuitive way thanks to integrated Business Intelligence tools.



Up-to-date
insights on
land use/land
cover changes



Helps you in
implementing and
complying with
UN's Sustainable
Development Goals



Previous expertise
with GIS or Earth
Observation data
is not required



Impervious
surfaces
assessment



Enhanced land
monitoring
and reporting



Continuous
monitoring of soil
consumption and
urban sprawl

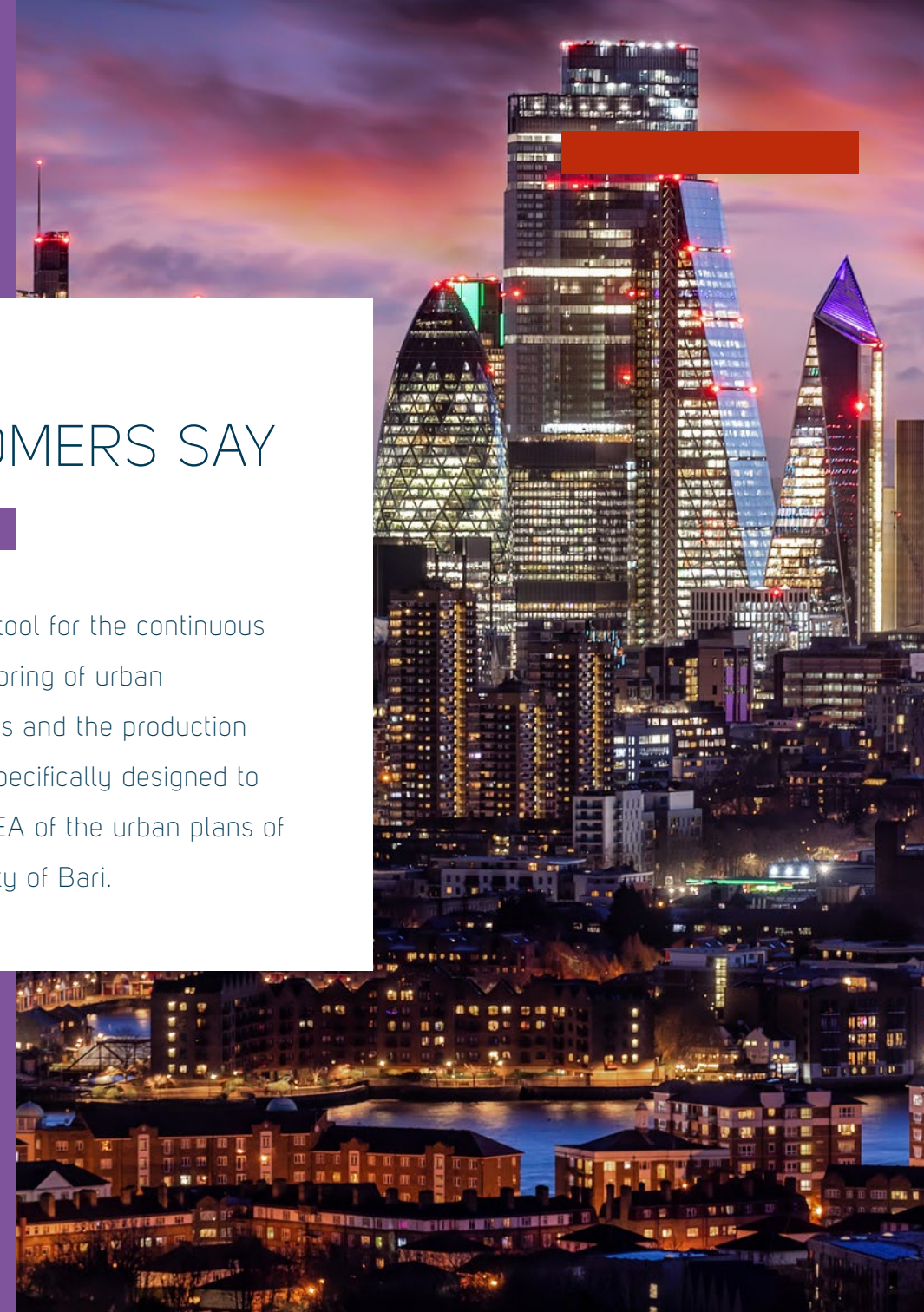
GATHER GEOSPATIAL INTELLIGENCE, NOW.

Many users have already discovered the benefits of Rheticus® Urban Dynamics. 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

A very useful tool for the continuous satellite monitoring of urban transformations and the production of indicators specifically designed to monitor the SEA of the urban plans of the Municipality of Bari.





INFO@RHETICUS.EU | WWW.RHETICUS.EU



Developed by

