

Leica GeoMoS

Are you interested
in movements?

Monitoring
Solutions



PART OF
HEXAGON

- when it has to be **right**

Leica
Geosystems

Leica GeoMoS – The only automatic monitoring system you will ever need

For monitoring professionals who need to quickly understand and react to complex demands of today's monitoring projects, Leica GeoMoS is a solution that provides needed flexibility to their projects. With scalable softwares and options and various licensing packages, the Leica GeoMoS family adapts to specific needs of any user. Suitable for continuous, periodic or campaign projects, it is a complete monitoring solution offering the highest accuracy and reliability.

With over 20 years of monitoring experience and support from a team of highly experienced engineers, Leica GeoMoS is a vital partner in a wide range of monitoring challenges.



Data

Leica GeoMoS supports connection to any monitoring sensor or software, either Leica Geosystems or any third party. Flexible communication options allow seamless connection, sensor control and instant data storage and analysis. Leica GeoMoS API allows the combination of GeoMoS data into your own system. Automated data streams using numerous open-interface standards enable simple, yet powerful sensor fusion. GeoMoS Monitor ensures a round-the-clock measurement cycle with sensor scheduling and can store all important data in just one SQL database.



Core software

Geodetic, geotechnical, environmental, or any other sensor data acquisition is accurately and reliably ensured via outlier detection, data validation, filtering and automatic remeasurement. If the system status and the limit check of critical observations is active, responsible people are informed in a timely matter using various messaging options (email, SMS, alert). Advanced mathematical computation and a combination of observations from different sensors ensure the most accurate stability of your monitoring.



Visualisation & reporting

Powerful, versatile and highly customisable, the GeoMoS Now! service can be installed locally or used in the cloud, allowing you to access results anytime and anywhere. Receive accurate and timely overviews on the status of projects by using a range of easy-to-configure graphs, images, maps, tables and deformation scans with no knowledge of web design needed. Add external links to your project or use the GeoMoS Now! API to securely include project visuals to any web page. Assign multiple viewers to a single project and distribute customised reports to any number of users.



Leica GeoMoS solutions

Leica GeoMoS is scalable and customisable solution suitable for a wide range of monitoring applications.



■ MAN-MADE STRUCTURES

Dams, airports, roads, bridges, railways, skyscrapers, historic buildings and monuments, tunnels, watergates, cable cars, power plants



■ NATURAL STRUCTURES & EVENTS

Landslides, rockslides, volcanos, settlements, coastlines, glaciers, earthquakes, seismic activity



■ CONSTRUCTION

Building, infrastructure, foundation, excavation, retaining wall, TBM tunnelling, evidence preservation



■ ENVIRONMENTAL DATA

Climate change, water, soil and air quality, gas, oil, fracking, flooding, heatwave, permafrost, pollution



■ INTERNET OF THINGS

Energy consumption, smart cities



■ MINING

Open pit mines, underground mining combining with other mining softwares

Leica GeoMoS family

The Leica GeoMoS software family consists of the core GeoMoS Monitor program, from which users can select and combine modules to create a software package that suits best their project needs. Leica Geosystems' flexible licensing concept lets users choose from Leica GeoMoS Adjustment, GeoMoS Now!, GeoMoS Analyzer or GeoMoS HiSpeed as well as from any of the numerous options these modules offer. Package can also extend to Leica CrossCheck or Leica GNSS Spider.

GEOMOS MONITOR

- Central monitoring unit for data acquisition and multiple sensor control
- Automatic, round-the-clock monitoring software
- Real-time event management, action and messaging

GEOMOS NOW!

- Intuitive and easy configuration of graphs, images, maps, tables and deformation scans
- Manage, analyse and distribute key information in one simple setup
- Use with any web device (PC, tablet, smart phone) anywhere, anytime



Leica Geosystems - when it has to be right.

Revolutionising the world of measurement and survey for nearly 200 years, Leica Geosystems creates complete solutions for professionals across the planet. Known for valuable products and innovative solution development, professionals in a diverse mix of industries, such as aerospace and defence, safety and security, construction, and manufacturing, trust Leica Geosystems for all their geospatial needs. With precise and accurate instruments, sophisticated software, and dependable services, Leica Geosystems delivers value every day to those shaping the future of our world.

Leica Geosystems is part of Hexagon (Nasdaq Stockholm: HEXA B; hexagon.com), a leading global provider of information technologies that drive quality and productivity improvements across geospatial and industrial enterprise applications.



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**GeoMoS
Monitor**



**GeoMoS
Now**



Leica M-Com



**GeoMoS
Adjustment**