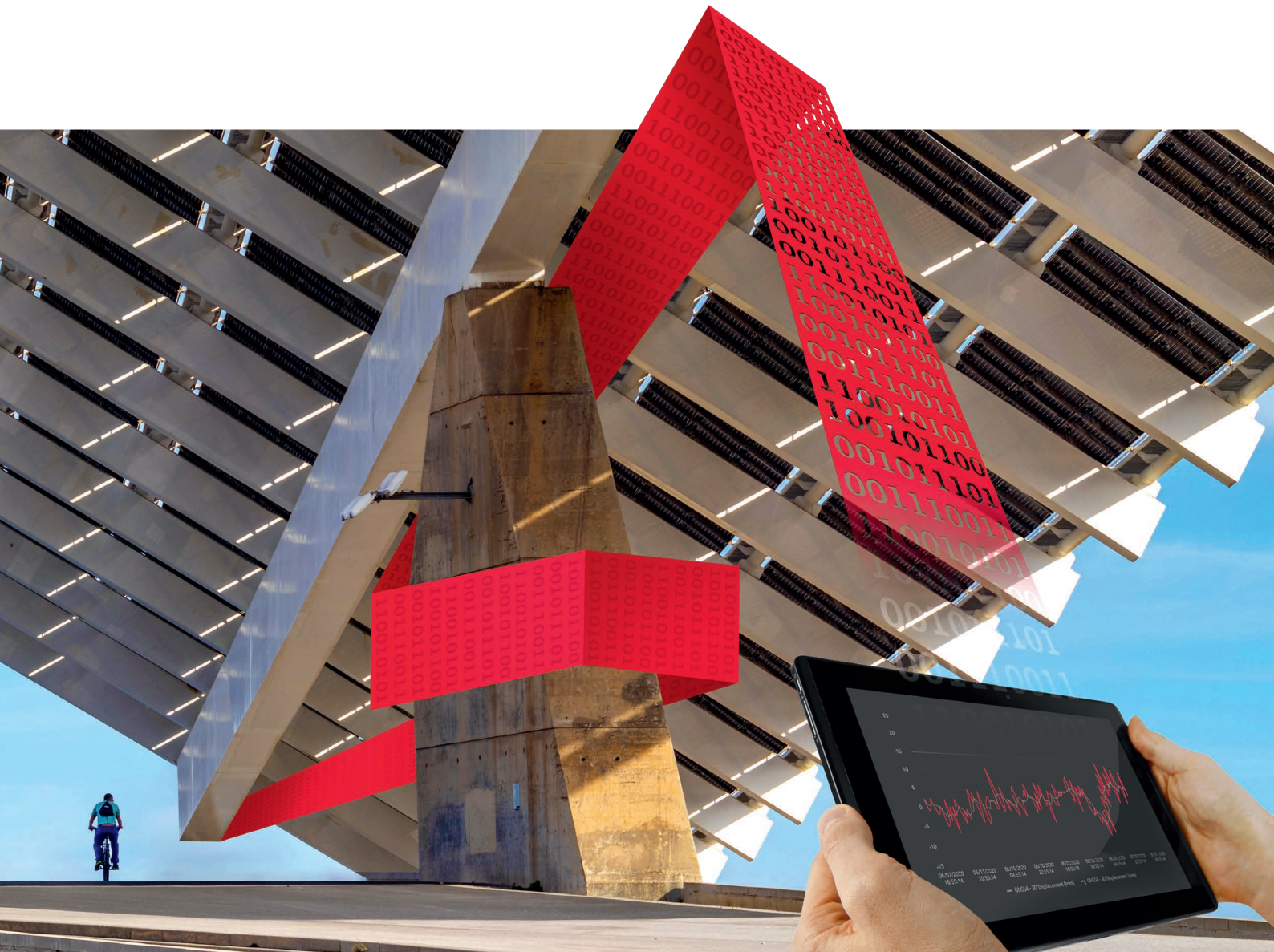


Leica GeoMoS Software Suite



To meet the demands of today's complex monitoring projects, Leica Geosystems offers tailored solutions for periodic and continuous monitoring that cover data collection, analysis, and reporting with highest accuracy and reliability. Leica GeoMoS monitoring software plays a critical role in our deformation monitoring solutions, providing a range of real-time analysis, visualisation, reporting, and notification capabilities that enable stakeholders to make informed and timely decisions with vital data. Adapting to a range of needs for structural, railway, mine and natural hazard monitoring, the Leica GeoMoS suite provides scalable options from campaign to fully automated, ensuring the right solution for you.



leica-geosystems.com



- when it has to be **right**

Leica
Geosystems

Grow with Monitoring

Whether increased repeat measurement frequency means you need to move from manual monitoring to a semi-automated setup, or you are ready to expand your business with fully-automated offerings, Leica Geosystems monitoring solutions enable you to scale your monitoring services.

- Grow into **semi-automated monitoring** with the equipment you already have by combining the Leica Captivate TPS Monitoring app with Leica GeoMoS Now! Survey Edition. Make the most of your time, resources, and prior investment with a semi-automated solution that connects your Leica total station and monitoring software with cloud capabilities and real-time analysis and reporting.
- Move into **continuous, automated monitoring**, enabling you to offer monitoring services for even the largest projects. Leverage the combination of GeoMoS connected with robotic total stations, other geodetic or geotechnical sensors, Leica M-Com communication devices, and GeoMoS Edge to benefit from fully-automated data collection, analysis, reporting, and notifications.

Semi-Automated Monitoring



Expanding into semi-automated monitoring is easier and more investment-friendly than you might think. Here's how:

The Captivate TPS Monitoring app completes robotic total station measurements and calculations. The resulting data is automatically imported into GeoMoS Now! Survey Edition. It also provides the feature to schedule reports and email notifications if tolerances are exceeded.

Once there, you can:

- Customise your dashboard to view displacement data with ease.
- Choose from 16 graph templates, set thresholds, and visualise critical deformation levels.
- Save time by automating report generation and delivery. Ensure your results are delivered professionally, on time using customisable reports.
- See real-time measurement visualisations: up-to-date deformation data wherever you are on your mobile device.



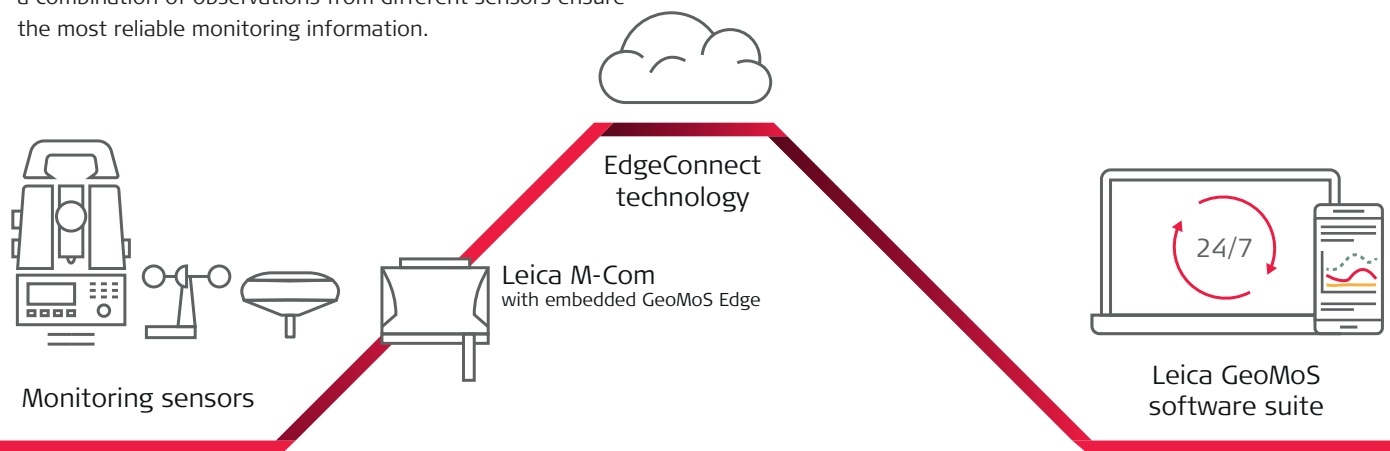
Automated Monitoring

Reliable automated data acquisition

Enable the accurate, reliable collection of geodetic, geotechnical, environmental, and other sensor data with outlier detection, validation, filtering, and automated measurements. Benefit from advanced error handling to check sensor health along with real-time power and communication status. By activating limit and critical observation checks, GeoMoS provides timely information to stakeholders via messaging options like email or SMS alerts. Advanced mathematical computation and a combination of observations from different sensors ensure the most reliable monitoring information.

Seamless data integration

Leica GeoMoS connects to any source of monitoring data, allowing for seamless data storage and analysis. GeoMoS enables scheduled, autonomous data acquisition and, connected to a Leica M-Com device, ensures continuous collection through temporary communication outages. The API technology enables integration of GeoMoS data into your own system, ensuring open interface to any 3rd party software.

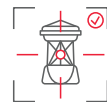


With Leica GeoMoS Edge experience the freedom of automated monitoring - ensuring sensor autonomy, constant data collection, and secure cloud IoT connectivity between all field and office devices



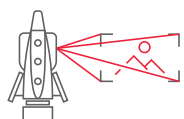
Visualisation & reporting

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 maps with no knowledge of web design needed. Assign multiple viewers to a single project and distribute customised reports to any number of users.



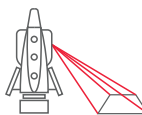
AutoLearn

This feature allows the instrument to autonomously search, aim and measure monitoring prisms with an enlarged field of view of the ATRplus, enabling advanced automation and best measurement performance, without the need to adjust to environmental conditions. The detection of monitoring targets can now be done autonomously and remotely.



Leica GeoMoS Imaging

It is a monitoring technology that provides image-based information from imaging total stations for documentation, inspection and detection with remote access. Users continuously remain up-to-date on different project aspects and take the best decisions, faster and easier than ever before.



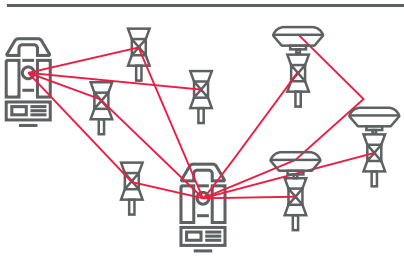
Automated deformation scanning

Leica GeoMoS enhances conventional monitoring methods with automated scanning of surfaces. Be it road/highway, a building or heritage structure – Leica GeoMoS real-time scanning solution monitors any deformation and makes sure that no movement goes undetected.

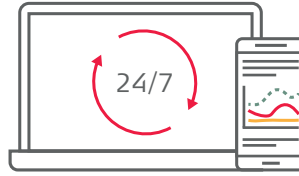
GeoMoS Adjustment

Construction sites, tunnels, mines, dams, slopes – wherever you need the most precise and reliable information on structural movement, Leica GeoMoS Adjustment allows you to make informed decisions based on statistically optimised and validated data. Leica GeoMoS Adjustment provides automatic network adjustment and deformation analysis for all monitoring projects.

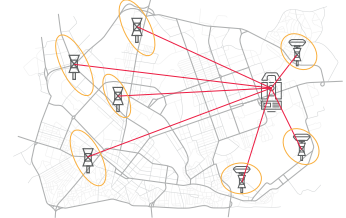
Multi Sensor Network



Leica GeoMoS



Map Visualisation



Improve your decision making by upgrading your monitoring system with GeoMoS Adjustment

- Implement the most accurate and reliable method for detecting movements
- Ensure network integrity in dynamic monitoring environment
- Detect movements in the reference points
- Simulate the mathematical geometry to optimise the network accuracy and reliability
- Incorporate Adjustment into your automated monitoring projects run by Leica GeoMoS

Leica Geosystems – when it has to be right

With more than 200 years of history, Leica Geosystems, part of Hexagon, is the trusted supplier of premium sensors, software and services. Delivering value every day to professionals in surveying, construction, infrastructure, mining, mapping and other geospatial content-dependent industries, Leica Geosystems leads the industry with innovative solutions to empower our autonomous future.

Hexagon (Nasdaq Stockholm: HEXA B) has approximately 24,000 employees in 50 countries and net sales of approximately 5.2bn EUR. Learn more at hexagon.com and follow us @HexagonAB.



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Leica Monitoring Solutions



Leica MS60 MultiStation



Leica TM60



Leica ComBox60

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