Sensor Network

Seamlessly integrated into the software

Our sophisticated monitoring solutions combine a wide array of geodetic, geotechnical and environmental sensors with fully customisable software. Regardless of whether your projects are short or long term, straightforward or challenging, be assured with Leica Geosystems monitoring solutions you can always find the best solutions for your projects.

Total Stations and MultiStations

Choose from world-renowned Leica Geosystems' total stations and MultiStations for accurate and reliable monitoring with imagery suited for all environments.

GNSS Receivers

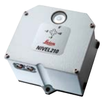
Equipped with the latest GNSS technology, our receivers and smart antennas exceed all your monitoring needs.

Communication Devices

Compact plug and play solutions provide field to internet connectivity with increased mobility for sensors and external devices.

Radar Support for Monitoring

Seamlessly integrated solutions from Leica Geosystems Monitoring and IDS GeoRadar benefit users with added complimentary functionalities.



Inclination Sensors

In the top of its class, Leica Geosystems'two-axis high precision inclinometers provide a resolution of 0.001 mrad and can be used in both single and network applications.

Digital Levels

Alleviate demanding levelling tasks with automated functions and minimised errors done in quick time.

Other sensors

Monitoring Solutions

Assurance done right.

Leica Geosystems – when it has to be right

Revolutionising the world of measurement and survey for nearly 200 years, Leica Geosystems, part of Hexagon, creates complete solutions for professionals across the planet. Known for premium 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 trusted services, Leica Geosystems delivers value every day to those shaping the future of our world.

Hexagon is a global leader in digital solutions that create Autonomous Connected Ecosystems (ACE). Hexagon (Nasdaq Stockholm: HEXA B) has approximately 20,000 employees in 50 countries and net sales of approximately 3.5bn EUR.

Swiss Technology by Leica Geosystems

Leica TM60
Leica MS60

Leica GM30
Leica GMX910

Leica M-Com

Leica GeoMoS Now!
Leica CrossCheck

Leica Geosystems AG
Heinrich-Wild-Strasse
9435 Heerbrugg, Switzerland
+41 71 727 31 31

- when it has to be **right**

Leica Geosystems

PART OF HEXAGON

leica-geosystems.com

- when it has to be **right**

Leica Geosystems

Monitoring Solutions
Trust a partner with experience

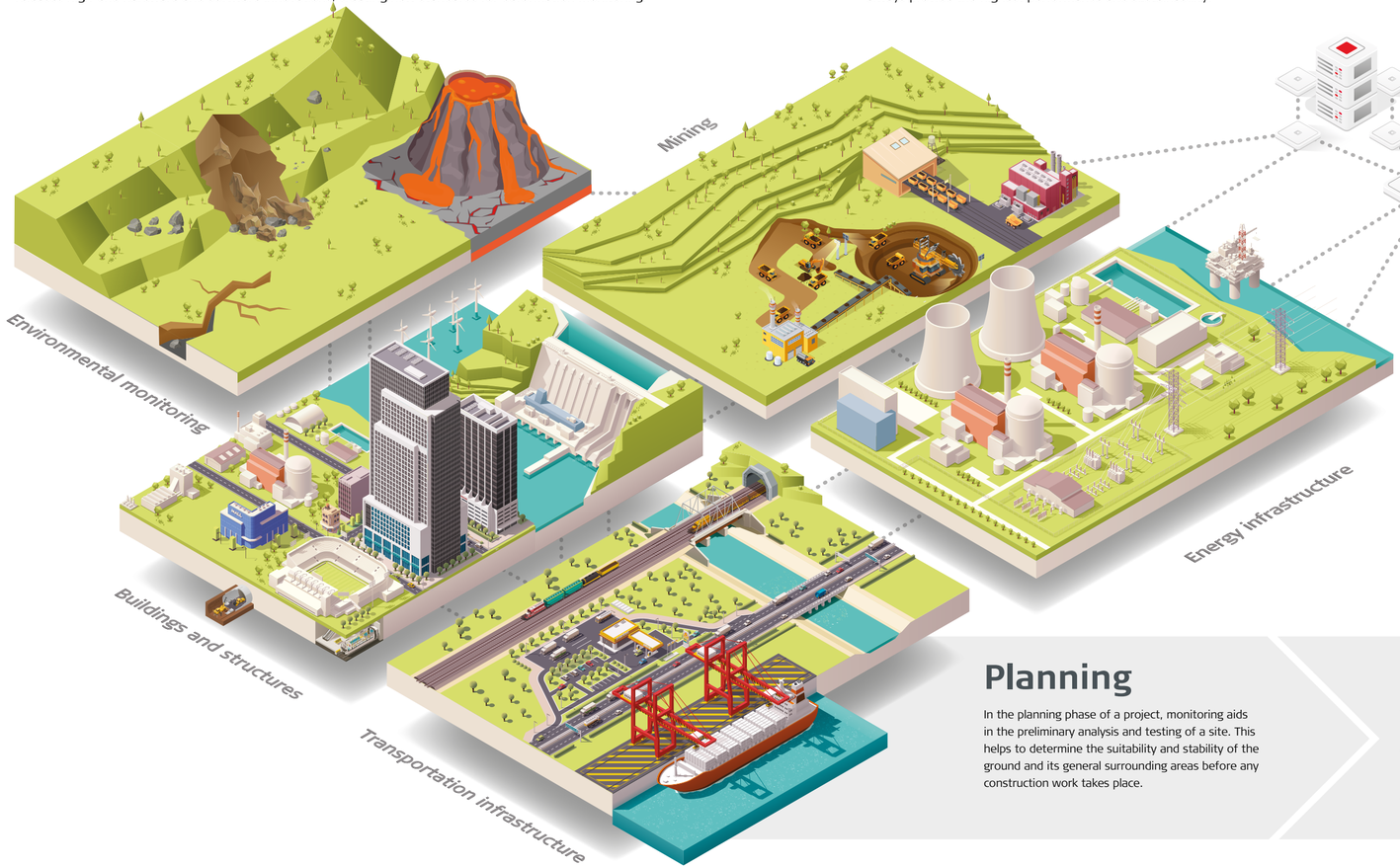
No other company can provide the depth of experience in the acquisition, management and analysis of spatial data for deformation monitoring. Leica Geosystems has 200 years of experience in precise measurement and over 30 years of experience with automatic deformation monitoring systems. Every year monitoring solutions releases high-end hardware and software innovations, creating new standards for deformation monitoring.

Applications
For all your needs

Every monitoring project is different and unique. Leica Geosystems monitoring solutions combine versatility and flexibility in adapting to your project's requirements, regardless of the object of monitoring or its environment. Whether it is human activity or natural process, you can rely on the proven solutions from Leica Geosystems to always provide the highest performance and sustainability.

GeoMoS
Sensor to browser

Leica Geosystems monitoring solutions provide seamless integration of hardware and software. Simple to install in the field, the sensors are promptly connected to the cloud or on-premise GeoMoS solution, which informs you about all the movements and changes instantaneously. The comprehensive visualisation of results is easily accessible over the browser from any mobile device, at any time.



Planning

In the planning phase of a project, monitoring aids in the preliminary analysis and testing of a site. This helps to determine the suitability and stability of the ground and its general surrounding areas before any construction work takes place.

Construction

With constant impact and movement, construction poses many major risks. Be it tracking the stability and verticality of the construction or any ground movements that might also affect surrounding structures, it is important that monitoring is performed throughout the construction phase. This is critical especially for the health and safety of those working on and around the site.

Structural Health Monitoring

Monitoring does not end after the planning and construction phases and in fact also plays a crucial role for existing structures. Long-term monitoring ensures the stability of structures despite the impacts of maintenance and aging as well as the potential impact of surrounding construction activity, seismic activity and other natural hazards.