Leica GeoMoS Adjustment

Reduce risk, improve your decision making

Monitoring Solutions

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.

Automatic Network Adjustment and Deformation Analysis

Most accurate method for detecting movements

- Combination of measurements from multiple total stations and/or GPS/GNSS
- Mathematically optimised robust adjustment for highest precision and reliability
- Automatic outlier detection and removal

Statistical significance of movements – better decision making

- Statistically qualify the movements – is it really moving?
- Quantify the precision and reliability of the monitoring system

Detection of unstable reference points

- Distinguish movement of the structure from problems in the reference frame
- Identify which reference points are stable and which are not

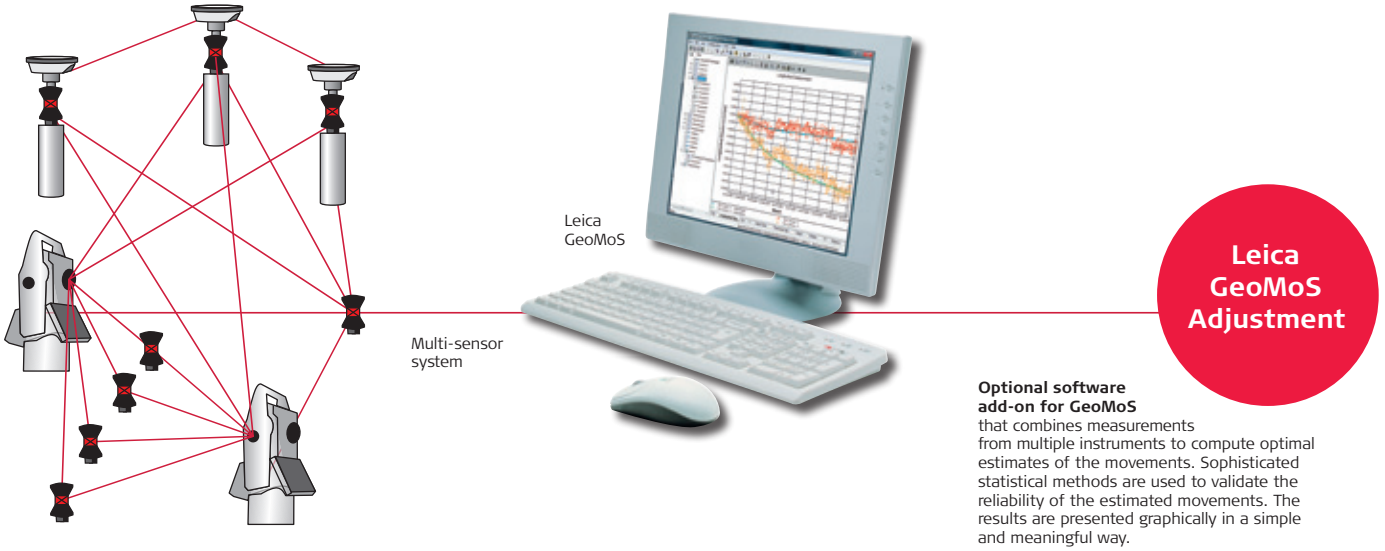
PART OF HEXAGON

- when it has to be **right**

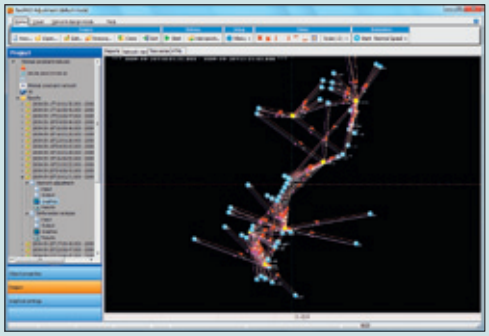
Leica Geosystems

Leica GeoMoS Adjustment

How significant are the movements of your structure?



Optional software add-on for GeoMoS that combines measurements from multiple instruments to compute optimal estimates of the movements. Sophisticated statistical methods are used to validate the reliability of the estimated movements. The results are presented graphically in a simple and meaningful way.



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

- Most accurate and reliable method for detecting movements
- Statistical significance of the movement allows better decision making
- Ability to detect movements in the reference points
- Integrates seamlessly into the Leica GeoMoS automatic monitoring solution
- Displays adjusted data in GeoMoS Web
- Simulate the mathematical geometry to optimise the network accuracy and reliability

Graphical analysis and presentation of results

Simple and clear diagrams are used to show the magnitude, precision, pattern and statistical significance of the movements. Unstable reference points and monitoring points that have significant movements are clearly identified. Easily compare the results of different epochs.

Extended Analysis Services

Consultation, training and data analysis services are available from our partner technet-rail 2010 GmbH. Technet's highly qualified engineers have over 20 years of experience in high precision deformation surveys, network adjustment and deformation analysis in a wide range of projects.

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