

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 GNSS
- Mathematically optimised robust adjustment for highest precision and reliability
- Automatic outlier detection and removal

Better decision making

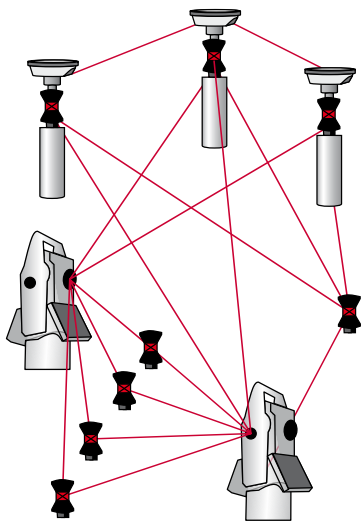
- Statistical methods to validate the accuracy of deformations
- Automatic limit checks on adjusted results

Detection of unstable reference points

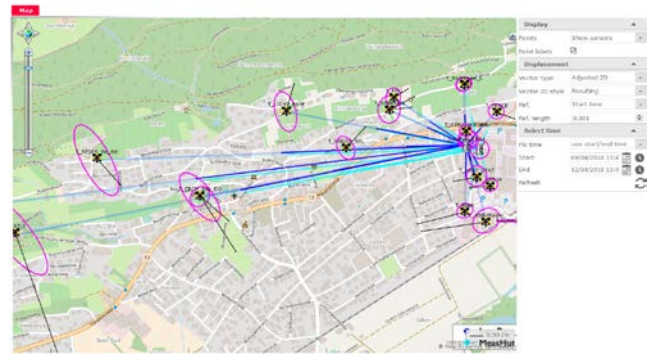
- Distinguish deformation of the structure from movements in the reference frame
- Identify which reference points are stable and which are not

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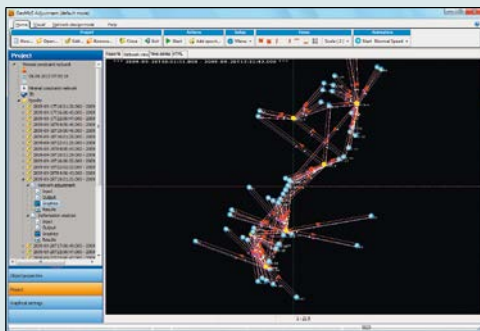
How significant are the movements of your structure?



Multi sensor network



Leica GeoMoS



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.

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

- Most accurate and reliable method for detecting movements
- Ensure network integrity in dynamic monitoring environment
- Ability to detect movements in the reference points
- Integrated seamlessly into the Leica GeoMoS automatic monitoring solution
- Display adjusted results in GeoMoS Now!
- Simulate the mathematical geometry to optimise the network accuracy and reliability



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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