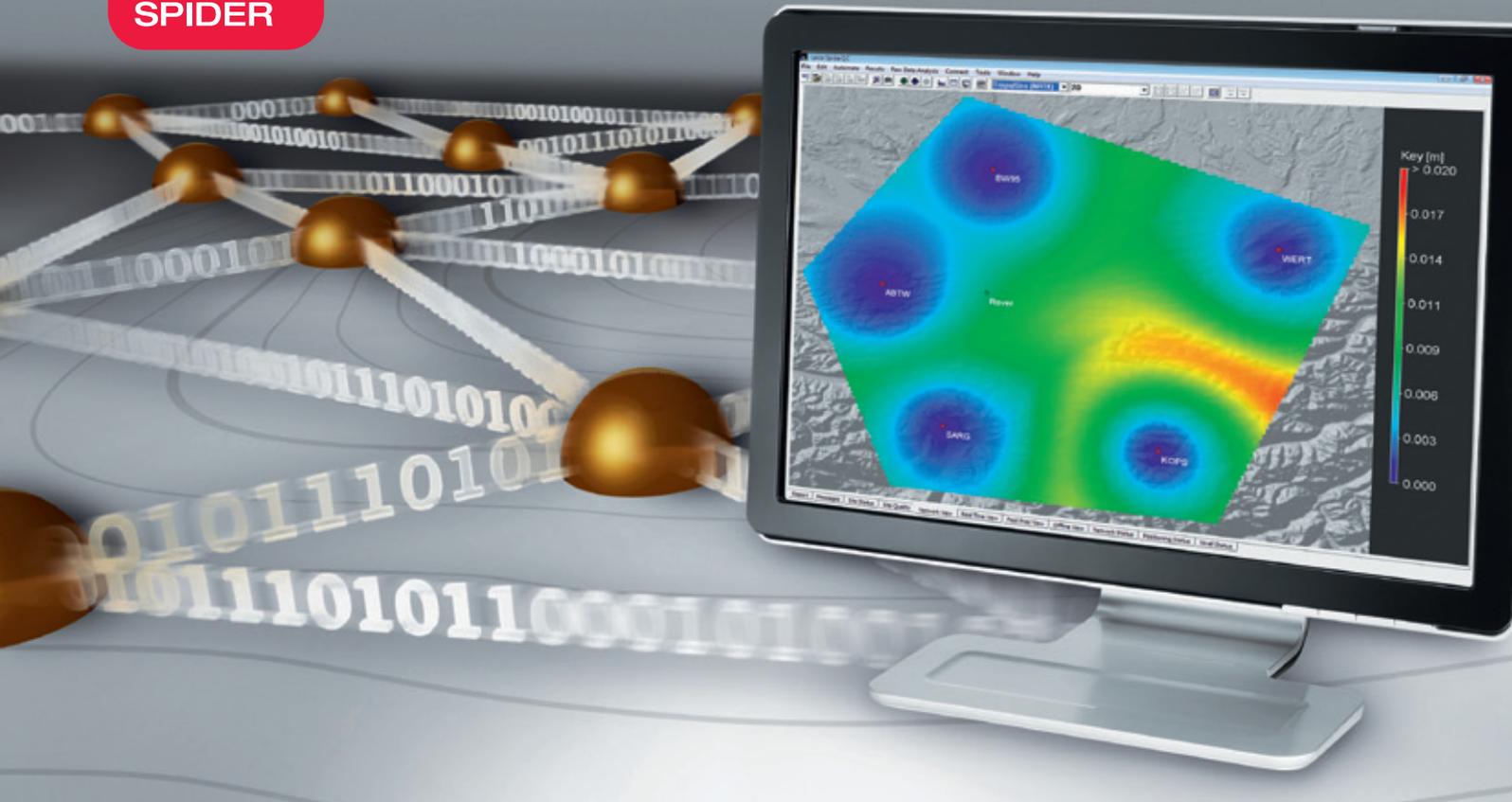
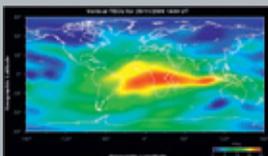


# Leica SpiderQC GNSS Network Quality Control



## Software for Quality Control and Performance Analysis of GNSS Reference Station Networks

Ensure your reference station network is performing at its peak using the comprehensive quality checking features of Leica SpiderQC.



- Select the best location for your reference stations
- Evaluate the quality of data from your reference stations
- Visualize the performance of your RTK network and identify how your network could be improved
- Be warned about site movements/vibrations in real time

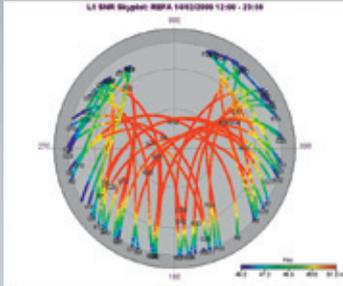
- when it has to be **right**

**Leica**  
Geosystems

# Leica SpiderQC

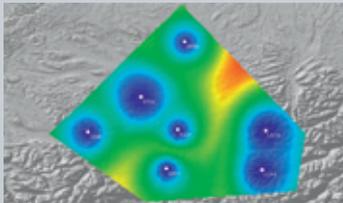
## GNSS Network Quality Control

Leica SpiderQC is the first choice in quality monitoring software to complement Leica GNSS Spider or any other reference station software. It can analyze various GNSS raw and derived data in a range of formats such as RINEX, SINEX, IONEX and NMEA.



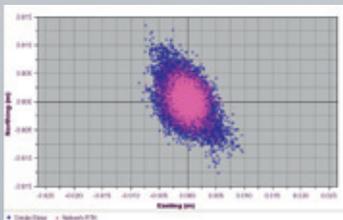
### Site Assessment and Quality Control

Leica SpiderQC helps you to select the best location for your reference station. Use it to evaluate code and phase multipath, check for RF interference and signal attenuation, measure data quality and completeness and much more. Once the site is installed, it continuously monitors the data quality in case changes to the site or nearby environment cause it to degrade. Leica SpiderQC provides you with a convenient overview of the data quality using e.g. traffic light status, graphs, reports and web pages, email or SMS warnings.



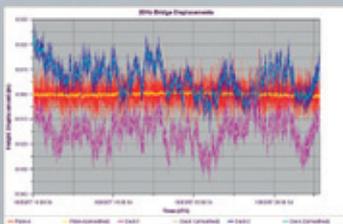
### Network RTK Performance Monitoring

The Network Online Visualisation of Accuracy (NOVA) feature of Leica SpiderQC enables you to visualise the spatial and temporal quality of single base and network RTK positioning over your network. Real time maps show the distribution of residual ionosphere and troposphere/orbit error enabling you to monitor the network status and identify problem areas in the network.



### Reference Station Integrity Monitoring

Using Leica GNSS Spider RT Positioning or a fixed rover in your network, Leica SpiderQC can monitor the quality and availability of corrections from the network. Statistics such as accuracy, precision, availability, reliability and more can be used to quantify the integrity of the service and warn if thresholds are exceeded so corrective action can be taken.



### Deformation Monitoring

Use Leica SpiderQC to detect and visualise movements of your reference stations or other critical infrastructure. Leica SpiderQC integrates with a variety of high speed real time and post processing positioning engines including Leica GNSS Spider and Bernese. Together they provide a flexible monitoring system for reference stations, bridges, dams, landslides and more. High precision tilt measurements from Leica Nivel200 inclination sensors can be used to complement the GNSS derived data.