

Geomonitoring of the reconstruction site at Cologne City Archive

Customer: Fire Brigade of the City of Cologne

Job definition: Comprehensive integrated monitoring of the Cologne City Archive reconstruction site implementing geodetical, geophysical and geotechnical measurements

Services:

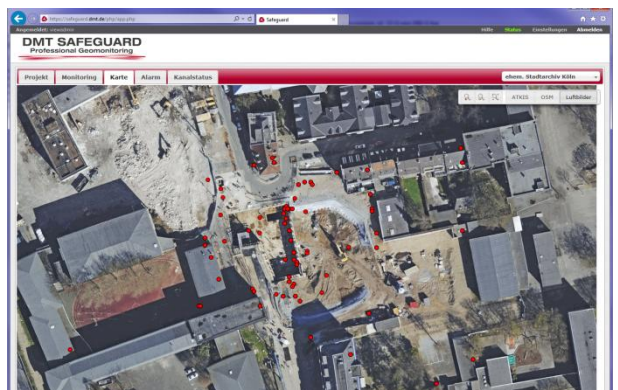
- Development and planning of an independent measurement concept for continuous monitoring of ground movements, structural deformations and vibration immission
- Installation and operation of a measuring system with automated data acquisition, data transmission, storage and web visualization with DMT SAFEGUARD
- Vibration monitoring
- Monitoring the slope of the excavation walls incl. crack meter measurements
- Borehole inclinometer measurements
- Continuous monitoring of ground and structural movements with multiple total stations
- Monitoring of groundwater levels, flow rates and pore water pressure in the ground
- Implementation of an early warning and alert system
- 3D laser scanning for documentation of the construction progress
- Technical evaluation of the on-site construction activities and geotechnical consultancy
- Detailed reporting for conservation of evidence



Cave-in area of the Cologne city archive



Total station for stability monitoring



DMT SAFEGUARD web portal

DMT GmbH & Co. KG
Geo Engineering & Exploration

Am Technologiepark 1
 45307 Essen

Telefon +49 201 172-1970
 Telefax +49 201 172-1971
 info@dmt-group.com
 www.dmt-group.com

TÜV NORD GROUP

