

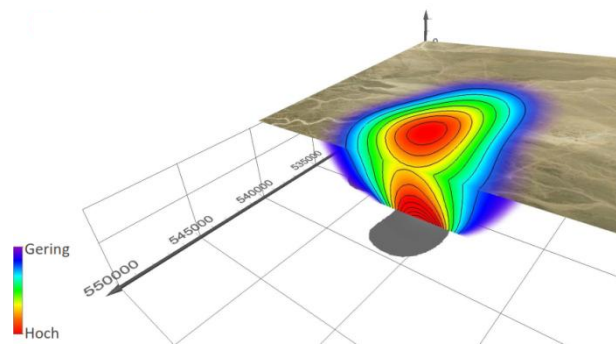
DMT Expert Body for Ground Movements

Measuring, prediction and evaluation of ground movement

The DMT Expert Body for Ground Movement offers broad services for measuring, prediction and evaluation of ground movements. The expert body operates monitoring networks worldwide and acts as an independent expert witness for authorities, private individuals and customers from industries such as mining and tunnel building, civil engineering and infrastructure.

Our services:

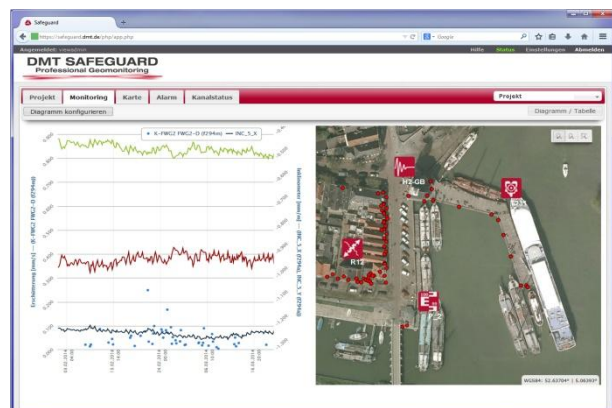
- Consultation, expert witness reports and statements, R&D
- Planning, execution and evaluation of complex geodetic and geotechnical surveys for monitoring the earth's surface, slopes and hillsides or buildings, in the construction and civil engineering and mining industries.
- The latest industrial measuring technology in the fields of GNSS, total station, laser scanning, radar interferometry and geotechnical sensors – above or underground, on or offshore.
- Earth and rock movement prediction for the mining, oil & gas and cavern industries – subsidence and deformation modeling
- Expert reports on mining-related damage and analysis of the effects ground movement has at the surface, on streets and buildings, pipelines and water balance.
- Creation of customer-specific geodatabases and GIS applications – also internet based.
- We set up complex monitoring systems with warning functions based on our in-house software DMT SAFEGUARD



Dynamic 3D subsidence and deformation prediction

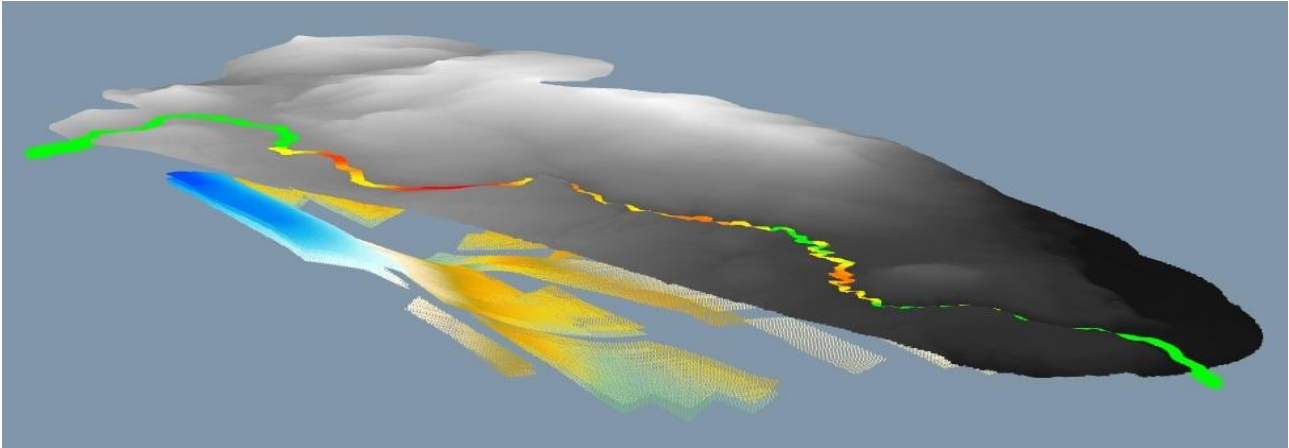


Large area ground movement measurements and evaluation in mining areas using GNSS and InSAR



DMT SAFEGUARD – comprehensive online monitoring systems for ground and object control

The expert bodies specialist applications include subsidence and deformation forecasting, terrestrial and satellite based radar-interferometry measurements, state of the art tachymeter monitoring techniques, 3D laser scanning and high-precision GNSS measurements – also for offshore projects and areas prone to explosion hazards. Furthermore, the expert body provides high-end solutions for all kinds of geodetic and geomonitoring work using its own specially designed monitoring software DMT SAFEGUARD.



Impact prediction for mining areas – consultation and support for hazard mitigation

It is the job of the body's experienced expert witnesses to get to the bottom of what are often very complex causes of ground movement, in order to determine and subsequently minimize any resulting risk to people or property. Their combined expertise ranges from the fields of surveying, mining, civil engineering, applied geology, hydrology, site remediation and construction engineering.

Your benefits:

- Our expert assessments and professional advice offer you the highest level of security for your projects and significantly reduce potential risks and dangers.
- Our expert witnesses are officially appointed and sworn in by public bodies and can therefore support you in dealing with official regulations.
- Our tried and tested measuring systems offer you reliable operation with only minimal disruption to your workflow. Support is always provided by competent professionals, ensuring the highest quality.
- Our GIS and Internet information systems enable you permanent access to all relevant data. Our experts are glad to assist you with the interpretation and evaluation of your data.
- By preventing risks, minimizing remediation costs and by providing comprehensive solutions from a single source, we help you cut your costs.

DMT GmbH & Co. KG
Geo Engineering & Exploration

Am Technologiepark 1
45307 Essen

Telefon +49 201 172-1970
Telefax +49 201 172-1971
eg@dm-tgroup.com
www.dmt-group.com

TÜV NORD GROUP

