

# Understanding Underground

Infrastructure

Exploration & Geosurvey





Hydroacoustic measurements for site investigation in Berlin

### **Our promise of excellence**

Quality and safety as well as the protection of health and the environment are our company's prime goals. We are committed to doing the utmost to achieve the very best in this respect. Ongoing education and training of our experienced employees guarantee our standards. For us, certification of our quality management system according to DIN EN ISO 9001 and of our HSE system according to SCC\*\* are a simple matter of fact.



Groundwater management at Berlin government and embassy district "Spreebogen"

# Prosperous groundwork for successful project conclusion

Geophysics  
in tidelands  
for geological  
evaluation of  
the subsoil



No one likes troublesome surprises during major building projects in the transportation, energy or public utility sectors, for instance. It is well worth your while to be on the safe side and take appropriate precautionary steps well in advance. Our broad range of services and techniques lets us supply you with reliable exploration of the subterranean situation. This gives you the best possible reliability in planning – and that safeguards you from any unpleasant surprises.

## Superior performance

By getting to the bottom of things you have an information advantage. Knowing what lies ahead of you before you start construction work means you are well prepared, and that in turn will help you stay on schedule and in budget. This reasoning is why many clients rely on DMT services to draw up subsoil analyses and geological exploration. We operate using state-of-the-art surface and borehole techniques in the fields of geophysics,

geology, hydrogeology, geodesy, geomonitoring as well as innovative geo-measuring systems. Moreover, we offer a whole range of services – from planning and realisation to analysis and evaluation, and on to interpretation and presentation in GIS. Depending on your requirements and aims, we can render our services as separate projects or as a complete package.

Vibration monitoring at a bridge foundation



Gravity measurements during a construction site examination in Qatar

### Successful techniques

For decades DMT has been a specialist recognised worldwide in subsoil exploration. The substantial expertise available at the company combines perfectly with the broad range of experience of DMT staff. You can select the most appropriate combination from a variety of non destructive, environmentally-friendly techniques for your project. You can join various geophysical techniques (some of which have been patented by DMT) with geological, hydrogeological, and geotechnical interpretation and geodetic data. That is your key to enhanced safety and greater success. It makes sense to work with a partner who is properly qualified and flexible enough to provide so many options.

### Satisfied clients

Our list of satisfied clients includes well-known railway companies, road construction authorities, national and international infrastructure consultants and planners, drilling companies as well as many other businesses in the construction industry. Our clients enjoy working with us not only because of the benefits they get from our broad range of measurement services, but also because they appreciate our consulting expertise and technical know-how as well as our efficient and

flexible methods. Whenever we render any of our services, major values such as high productivity, reliable scheduling, excellent quality, closeness to the client and ready availability are among the features that make our support attractive.

### A future together

Are you intending to aim high or drill deep in the future? Are you planning a high-speed rail line or a tunnel? Do you intend to exploit geothermal energy or monitor ground movements? No matter what your plans might be, with DMT at your side any major obstacles will evaporate before they materialise. Our first-rate technical and economic solutions provide the professional exploration you need to support your projects. You can count on the innovative techniques, expertise and experience of DMT. Today and tomorrow.

### Our service modules

To lend reliability to your planning, construction and operations, we can provide our services either in separate modules or as complete packages:

- Geophysics
- Geology
- Geodesy
- Geomonitoring
- Geoinstrumentation

Deep vibroseismic examinations for a geothermal project in Speyer



Investigation and localisation of road setup and components via ground penetrating radar



### Available methods

- Acoustic emissions
- Borehole logging
- Core scanning
- Electrical resistivity
- Electromagnetics
- Engineering surveys
- Geological evaluations
- Geological interpretations
- Geological mapping
- Geological modelling
- Geomonitoring
- Georadar
- Geotechnical evaluations
- GPS measurements
- Gravity measurements
- Groundwater models
- Groundwater monitoring
- Gyroscopic measurements
- Hydroacoustics
- Hydrogeological evaluation
- Magnetism
- Object surveillance
- Radarinterferometry
- Seismics
- Shock measurements
- Vibration measurements
- Water balance calculations

Sewage line examination in Wuppertal

**DMT GmbH & Co. KG**  
Exploration & Geosurvey

Am Technologiepark 1  
45307 Essen  
Germany

Phone +49 201 172-1970  
Fax +49 201 172-1971  
exploration@dmr.de  
www.dmr.de

Member of TÜV NORD Group

