

# Explore Your Deep Interests

Oil & Gas

Exploration & Geosurvey



# Take a deeper look inside

Do you need detailed information for your exploration & geosurvey projects? And do you want it quickly? We have the right tools and the necessary expertise to give you exact insights into the situation underground. Our highly trained teams, using state-of-the-art equipment, not only provide the in-depth advice you require, they also carry out the data acquisition, processing and interpretation. Take advantage of our service from the very start to create a sound basis for early decision-making.



Highly skilled crews and special-purpose vehicles for back-country missions

## Experience and competence

Our experience dates back to the early days of exploration – to Ludger Mintrop, one of our company's pioneers and the inventor of the seismic exploration method – and that includes the whole range of seismic operations, right down to today's vast 3D surveys. We are indeed proud to look back upon more than one hundred years of successful research and application in the field of exploration. Today, applying modern methods and equipment, our experience ensures high-quality results and means you can get all the services you require from a single, integrated geophysical company.

## Data acquisition

No two projects are alike. Thus, to reach your specific goals, it is vital to choose the most appropriate method, the right staff and the best equipment. This is where you can rely on us as your competent partner. Regardless of whether you are considering economical and environment-friendly vibro-seismics, conventional seismics with explosives on land, or shallow-water seismics in lakes and rivers – together we will find the ideal technology, choose the most suitable equipment and configure the best possible layout.

The latest equipment for highest data quality: Inside recorder



Benefit from our strengths when it comes to high resolution and near-surface seismics. Since DMT develops and manufactures the 24-bit SUMMIT acquisition system we are, of course, specialists in using this technology together with high-frequency vibrators or weight-drop sources to assess the near-surface layers.

#### Planning and quality control

Together with you we plan the right survey design, using the OMNI software package, so that the design is tailored to the specific needs of each survey area. Our ProMAX® field processing systems help select the optimum recording parameters and check the quality of the recorded data, and even perform preliminary data processing. This provides you with the information you need on site for making the right decisions on how to proceed.

#### Processing and interpretation

More sophisticated data processing is performed in our processing centre in Essen, Germany, using our ProMAX® and Focus software packages. Interpretation is conducted using all the case-relevant geophysical and geological Petrel™ modules, the leading 3D modelling software.

#### Equipment

Choose from a broad range of instruments for exploring oil and gas reservoirs. These include, for instance, a Sercel 408/428, an ARAM 24 with thousands of channels, or the highly flexible SUMMIT system, which is especially suitable for high-frequency applications. Regardless of whether you want good reflections from deep down or high resolution results from near-surface structures, we have exactly the right vibrators to meet your needs.

The best choice of equipment for any task:

1. Sercel 408/428
2. ARAM 24
3. Summit II<sup>PLUS</sup>



Living safety:  
Toolbox meeting  
for reviewing,  
training and  
briefing on daily  
duties



### **Quality, health, safety and environment**

Quality and safety, along with the protection of health and the environment, are top priorities of our company. We are committed to doing our utmost to achieve the very best in this respect. Ongoing education and advanced training for our experienced employees guarantee our standards. For us it is self-evident that we certify our quality management system according to DIN EN ISO 9001. Our health, safety and environmental management system is SCC\*\* certified and complies with OGP and IAGC guidelines.

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