

Press Release

Geo-T Expo

DMT outlining the history of exploration

Essen, Germany, 07.11.2013. Essen based DMT GmbH & Co. KG (DMT), an international technology service provider in the natural resources sector, will be exhibiting in a special display on exploration history, as part of the international geothermal energy fair Geo-T Expo, being held in Essen from 12 to 14 November 2013.

"DMT can certainly help tell the story of exploration", explained Dr Bodo Lehmann, Head of the Exploration & Geosurvey Division at DMT. "The co-founder of modern geophysics, Ludger Mintrop, worked for the company as a researcher over a hundred years ago."

In the 1920s Mintrop, a surveyor and geophysicist from Essen, developed appliances and techniques for the exploration of natural resources using seismic waves. Up to that point, little was known about seismic waves other than that they originated from earthquakes. In collaboration with other researchers, Mintrop, working for what at that time was known as the Westfälische Berggewerkschaftskasse (WBK), generated "artificial earthquakes" using dropped weights and utilised the vibrations to explore what lay beneath.

Today, the WBK's successor, DMT, still uses this technique all over the world to search for deposits of natural resources. With modern, highly-advanced equipment and processes, they are able to obtain a 3-dimensional picture of the subsoil and assess its geological

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characteristics. This can be utilised, for instance, in the field of geothermal energy by detecting the areas deep under the surface that potentially offer sufficient volumes of hot water for extraction. Thus, environmentally-friendly thermal power stations can make an even larger contribution to the supply of climate-friendly energy and sustaining a cleaner environment.

At their stand at the Geo-T Expo (www.geotexpo.com), DMT will be showing live demonstrations of the latest seismographs.

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About DMT

DMT GmbH & Co. KG, headquartered in Essen, Germany, is an independent engineering and consulting company, active at international scale. The DMT Group has about 1,000 employees, most of them engineers, scientists and technicians, who provide services in the form of individualised consulting and assistance tailored specifically to the clients' needs. They also serve as impartial assessors. The firm's activities focus on the fields of natural resources exploration, mining and cokemaking technology, construction and infrastructure projects, safety in buildings, product testing and measurement instrumentation in industrial settings. DMT is a member of the TÜV NORD GROUP.

<http://www.dmt.de/en/home.html>

About Exploration & Geosurvey

Using methods and techniques drawn from the fields of geology and hydrogeology, geophysics, geodetics and geotechnology, the Exploration & Geosurvey Division supplies the data needed to achieve planning reliability for the extraction of natural resources (oil and gas, coal, salt, deep geothermal energy and others), for relieving the environment

(carbon capture and sequestration, reducing CO₂ emissions etc.) and for special-purpose civil engineering. Our work, concentrated in a single company and reaching all around the world, begins with planning, includes surveying and interpretation and extends to modelling and the final evaluation. And to ensure the very best results we also develop, operate and market our own geosurveying systems.

<http://www.dmt.de/en/services/exploration-geosurvey.html>