

## Press Release

### ISM congress in Aachen 16.-20.09.13

## DMT presents innovative laser scanner systems

Essen, Germany, 05.08.2013. From 16 to 20 September 2013, representatives from DMT GmbH & Co. KG will be presenting the topics of measuring methods and instruments, deposit management and mine closure / abandoned mining at the XV International Mine Surveying Congress in Aachen. A special focus will be on DMT's innovative laser scanning systems, designed specifically for the demanding nature of the mining industry.

Laser scanning has proved to be an effective and economical method to solve many standard tasks in the field of industrial metrology; however, until now there were no viable, effective solutions for specifically dealing with challenging tasks under difficult environmental conditions. Inaccessible cavities or explosive gases and dusts can cause significant restrictions in the use of technology.

"With our vast experience in the mining industry, infrastructure projects, and various areas of industrial metrology, we were able to further develop and customize the DMT laser scanners, so that even critical areas can now be surveyed three-dimensionally with high accuracy and speed," explains Norbert Benecke, mine surveyor at DMT. "Our explosion-proof equipment complies with the EU ATEX directive for potentially explosive atmospheres." The information obtained is used, for example, to help identify possible hazards in mine shafts and provides

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critical data for reducing risk exposure, which leads to savings in terms of safeguarding and refurbishment. A special-purpose scanner with an extremely small diameter is ideal for documenting inaccessible cavities through narrow boreholes.

These new systems from DMT are already being utilised successfully in various projects: As well as surveying cavities in abandoned mines, caverns or bunkers, these devices are particularly suited for kinematic shaft surveying and other areas of industrial metrology. In addition to carrying out the measurements, the full DMT service offers customer-specific data analysis.

Within the framework of the congress, DMT will also be presenting results from its research into ground motion monitoring as part of a project workshop, plus the company will be represented at its own stand at the trade fair accompanying the congress.

The International Society for Mine Surveying (ISM) is hosting the congress in Aachen in cooperation with the Deutscher Markscheider-Verein e.V. DMV (German Association of Mine Surveyors) and expects around 500 international experts as well executives from the international mining and natural resources industries to attend. Further details of the event can be found on the official congress website [www.ism-germany-2013.de](http://www.ism-germany-2013.de), where online registration is possible up to 17.08.2013.

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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 boasts 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.

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### **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 CO<sub>2</sub> 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.

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