

Barite Quartzite
Magnetite Barite
Leptite
Magnetite Quartzite
Garnet Magnetite
Aluminous Schists
Quartzitic Schists
Massive Magnetite
Garnet Quartzites
Mineralised Schist
Sulphidic Quartzite
Quartzite
Pelitic Sulphide Rock
Dark Quartzite

Magnetite Amphibolite Amphibolite



### Your project

Drilling campaigns in the field of:

- Raw Material Exploration
- Geotechnical site investigation
- Geothermal energy
- Repository search

### Our offer

- Increased planning reliability through precise data acquisition nearly in real-time
- Optimization of time and effort through automatization and digitalization
- Targeted drill core sampling and laboratory analysis
- Improved geological interpretation through systematic, consistent and repeatable drill core logging
- Automated rock classification in customer-specific "drill core database" through machine learning
- Continuous determination of the chemical and mineralogical rock composition

#### **DMT GROUP**

Excellence and innovation in everything we do – this is our claim as an independent, global engineering and consulting company in the construction, mining, plant and mechanical engineering sectors. DMT is the "Engineering & Natural Resources" division of the TÜV NORD GROUP.

Sustainable value creation for our clients is always the goal – knowledge, digitalization and internationalization are our success factors. To this end, we count on our 1,100 employees, 14 subsidiaries, 30 locations and 280 years of experience.

In infrastructure, civil engineering and mining, we are general planners and specialists. We implement system and individual solutions in every discipline and bundle competencies for consulting, engineering, tendering, implementation, monitoring, operation and refurbishment, ensuring planning and investment safety for our customers.

We call this engineering performance.

### **DMT**

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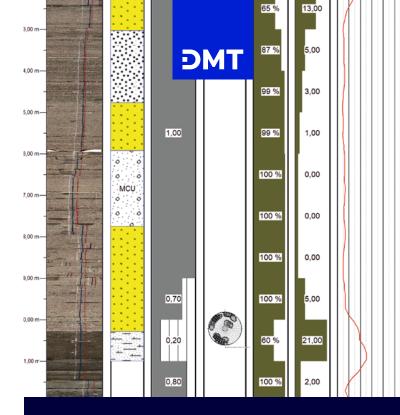
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DIN EN ISO 9001 DIN EN ISO 14001 DIN ISO 45001



# CoreScan Services

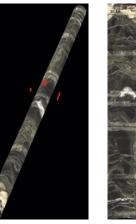
Automated analysis and digitalization of drill cores

Civil & Mining Engineering dmt-group.com

Engineering Performance

TUVNORDGROUP



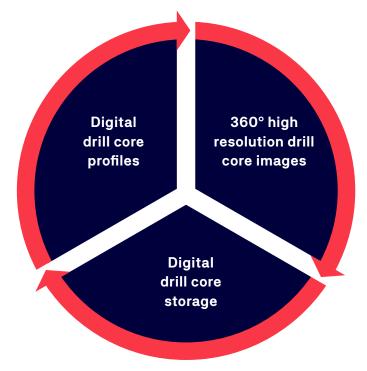




DMT CoreScan®3 and digitized drilling core

### DMT CoreScan®3

Digitalization through high-resolution drill core images

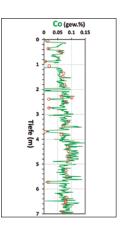


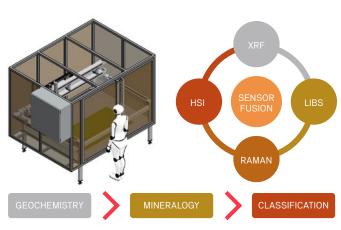
## Your benefit

- Digitalization of the drill core recording
- 360° imaging / drill core imaging
- Automated rock classification
- Geotechnical interface survey
- Complete, clear documentation
- Quality assurance through systematic drill core approach
- Customized "Digital Drill Core Storage"
- Preservation of evidence through digital imaging of the drill core
- Increased planning reliability through precise data in nearly real-time
- Online data access

Data visualization - Digital drill core profile

Company: DMT DH Top: 01 Germany DH Base: 2		Drill Hole DH 02			Page 1 of 1 Date: 25.04.2017
		0.00 m	DH LatLon 49'1'47"N, 8'2 Depth in Earth 0.00 m		Total Depth: 0.00
		(0,00 m			Rock Elevation: 0
Dritting Site: Esse	DH-Elevatio	on: DH Top: 0.0	Depth in	Rock: 0.00 m	Bottom Elevation
		BIF	Intensity		Stereo
Depth Core	Image	Evaluation	Profile	Tad-Pole	Statement Carlo
128.38 m. VIII. VI		322 322 323 324 325	Mandanical treatitional Pandanical Ideal History	•	

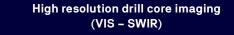




Ancorelog - Analytical Core Logger

## **ANCORELOG -Analytical Core Logger**

Sensor-supported automation of the drill core intake



**Determination of the chemical** composition of the rock

**Determination of the** mineralogical rock composition

Digital interface recording

**Automated rock** classification