

Coordinator of the training  
network for mining technologists  
specialising in drilling  
engineering

## Agenda

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- Overview of the members of the AVBT
- Presentation of the members
- Contents of the training
- Practical training
- Theoretical training BBS Haldensleben
- Examinations
- Current training courses (years 1-3)
- Rights and obligations in the training network

# ➤ Overview of the members of the AVBT

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- K+S Minerals and Agriculture GmbH
- Strabag AG
- Neptune Energy Holding Germany GmbH
- MB Well Services
- Unterspeicher- Geotechnologie – Systeme GmbH (UGS)
- H Anger`s Söhne Bohr und Brunnenbaugesellschaft mbH
- KCA Deutag Drilling GmbH
- NR Bohrtechnik GmbH
- Seier Gruppe (Kuhlmann/ Wähler)
- BGE Bundesgesellschaft Endlagerung

## **Facts K+S Gruppe**

*Employees: over 14,000 at 80 locations*

*worldwide (including approx. 600 trainees in Germany)*

*Training locations:*

*Zielitz plant*



## ***Facts Strabag AG***

*Employees: approx. 12,000*

*Training centre: Hermsdorf*



**STRABAG**  
TEAMS WORK.

# ● Neptune Energy Holding Germany GmbH **ABT**

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**Facts** Neptune Energy Holding Germany GmbH

*Employees: 600*

*Training locations: Lingen and  
Municipality of Osterwald*





# ● MB Well Services

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***Facts MB Well Sevices GmbH***

*Employees: 246*

*Training location: Salzwedel*



# ➤ Untergrundspeicher- Geotechnologie – Systeme GmbH (UGS)

## ➤ **Facts Untergrundspeicher- Geotechnologie – Systeme GmbH (UGS)**

*Employees: 240 Training locations: Mittenwalde/Mark  
and construction sites of UGS nationwide*





# ● H Anger`s Söhne Bohr und Brunnenbaugesellschaft mbH



## ***Facts H. Anger`s Söhne***

*Employees: around 160 throughout Germany*

*Training centres: Hessisch-Lichtenau*

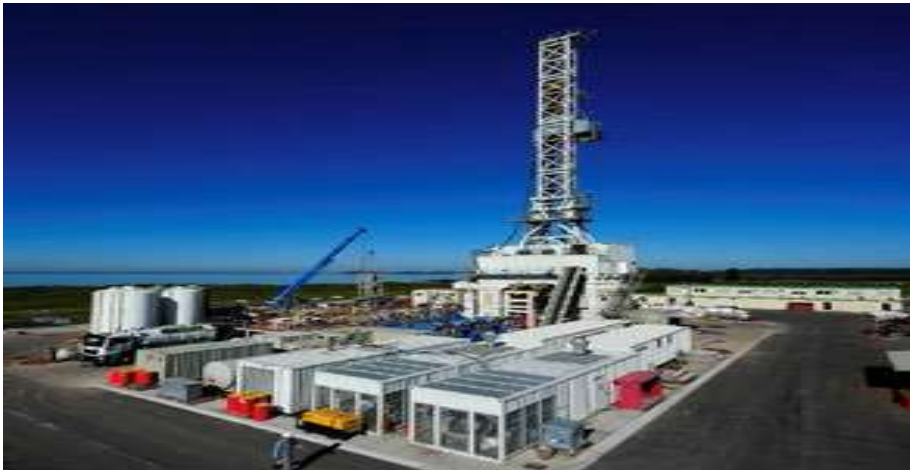


## ***Facts KCA Deutag***

*Employees: > 9000 in over 20 countries worldwide*

*Training locations: various,*

*Drilling rigs in Europe*





## ***Facts NR Bohrtechnik***

*Employees: 50*

*Training locations: Oelsnitz/Erzgebirge*





# ● Kuhlmann/ Wähler (Seier Gruppe)

## ***Facts Kuhlmann/ Wähler***

*Employees: 1100*

*Training locations: Langenhagen / Dorum*

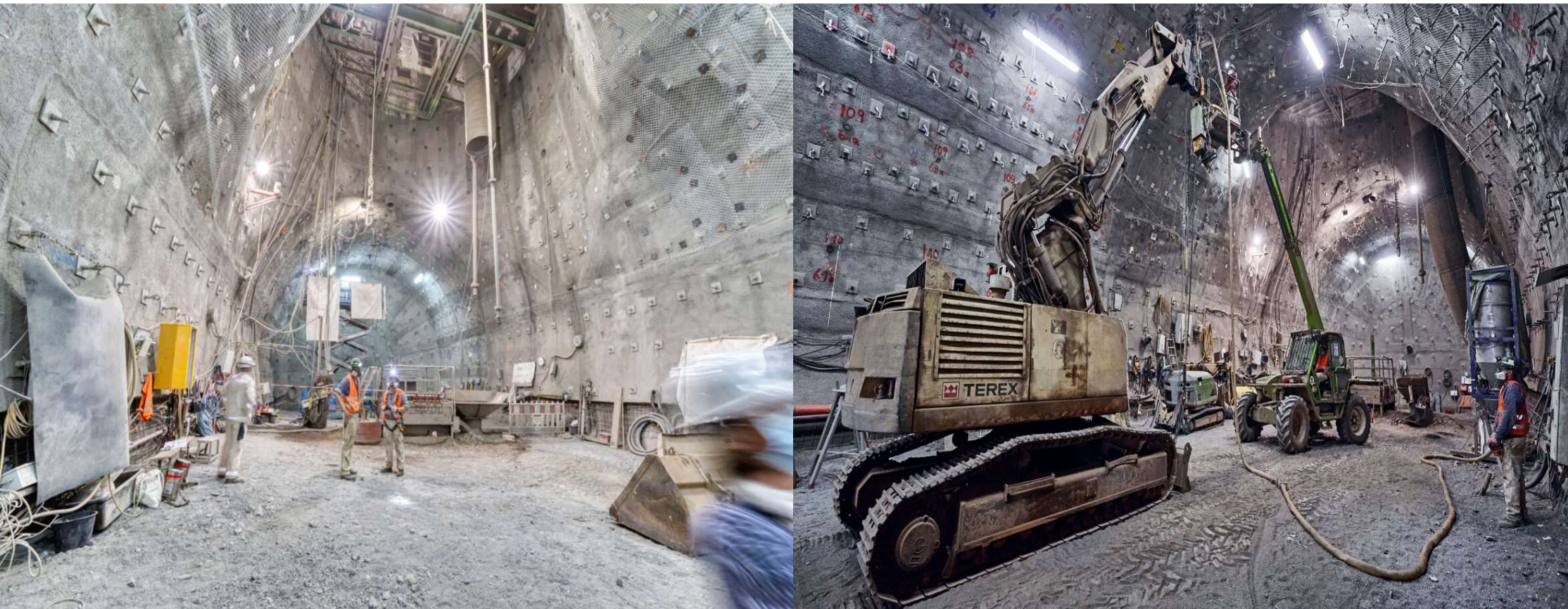




**Facts** Bundesgesellschaft Endlagerung

*Employees: 2300*

*Training locations: Morsleben*





Vocational training to become a mining technologist is organised as follows (training job profile):

## **Section A**

Skills, knowledge and abilities relevant to the job profile:

- Material processing,

- Control technology,

- Lifting and moving loads,

- Assembly, disassembly, commissioning, operation and maintenance of machines, systems and plants,

- Geology and rock mechanics, deposit development,

- Mining cavities,

- Extraction and dumping, extraction, logistics and transport

## **Section B**

Further professional skills, knowledge and abilities in the field of civil engineering technology:

Ventilation and air conditioning technology,  
backfilling, tunnelling and extraction technology,  
travelling

## **Section C**

Further professional skills, knowledge and abilities in the field of deep drilling technology:

Drilling equipment,  
Borehole construction,  
borehole logging,  
cementing,  
mud technology,  
drilling regime, well control

## **Section D**

Integrative skills, knowledge and abilities:

Vocational training, labour and collective bargaining law,  
Structure and organisation of the training company,  
Health and safety at work,  
environmental protection, mining law,  
operational and technical communication,  
Planning, organising and carrying out work, evaluating work  
results,  
quality assurance.

- Each company is responsible for the practical training of its trainees at its plants and locations
- Guideline according to training framework plan
- Possibility of temporary external training at other companies (e.g. downtime of a drilling rig, training deficits, e.g. metal technology)
- Internship at the member companies possible
- Training courses are planned by the coordinator (SCC, forklift, well control, hydraulics, etc.)
- Appointment of a person responsible for training in the company as a contact for the coordinator

- Vocational school takes place in blocks
- 6 blocks of two weeks per year
- Instruction according to the framework curriculum
- Expert instruction by specialists from member companies

## Example

- Mr Wetzel (K+S) Geology
  - Mr Hünecke (K+S) Exploration
  - Mr Kalb (K+S) Borehole measurement
  - Mr Rüger (NWR) HDD drillings
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- Own topics can be offered



- the final examination consists of the two parts 1 and 2, which are separated in time
- the final examination determines whether the candidate has acquired the professional ability to act
- when determining the overall result, part 1 of the final examination is weighted at 30 per cent and part 2 at 70 per cent
- Part 1 of the examination is in the area of assembly technology and is carried out at the Zielitz site
- Part 2 of the examination consists of a freely selectable company assignment that each trainee carries out themselves
- Examination board is provided by the IHK Magdeburg and consists of 8 examiners (all specialists from various drilling industries)

# ● Current courses (years 1-3)

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- SCC safety course
- First aid
- Forklift truck
- Drilling hydraulics course
- Drilling mud course
- Exam preparation
- Drilling technology/geology field trip
- Prevention of falls from a height
- Internships in companies in the network
- Courses according to the current needs of the companies

# ● Rights and obligations in the training association

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- Participation in the AVBT meeting twice a year (always at a different member company)
- Co-determination of the training content
- Participation of trainees in training courses (SCC, first aid, forklift trucks, etc.)
- Possibility of trainee internships at all member companies
- Participation of trainees in seminars offered by member companies
- Strengthening the drilling industry by training specialists
  
- Membership fee for the AVBT 3000 euros per year
- Costs for organising the training courses

**Many thanks  
for  
the attention**