

Geotechnical reports and consulting services

Excavation of the WISMUT's tunnel for the flooding water discharge from the mining field Gittersee

C&E · Consulting und
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Objective:

Engineering, drilling and sampling services Excavation of WISMUT's tunnel for the flooding water discharge from the mining field Gittersee

Location: Freital Potschappel

Client: Wismut GmbH **Beneficiary:** Wismut GmbH

Year: 2006

Services provided:

- Implementation and evaluation of drills (drill core mission, preparation of drilling profiles, inspection of borehole camera)
- Hydrogeological investigations (conductivity, temperature, caliber, resistance)
- Geotechnical and geomechanical investigations (uniaxial compressive strength, splitting tensile strength, triaxial compression tests, ultrasonic measurements to determine the density, preparation of thin sections and sampling)
- Geological documentation and assessment of hydrogeological conditions
- Assessment of tunnel conditions for development dimensions
- Preparation of the technical-technological concept for tunnel excavation
- Evaluation of results in terms of fine alignment or potential impacts on the final development

