Konrad Shaft No. 2 - Driving of openings next to the shaft













Scope of Work

Driving of:

- Landing upgrade stretch (FOE)
- Branch to the FOE/ETS connection
- Northern storage transport stretch (ETS)

Client

Deutsche Gesellschaft zum Bau und Betrieb von Endlagern für Abfallstoffe mbH (DBE)

Project Location

Salzgitter, Germany

Duration

Since January 2012

JV with Thyssen Schachtbau

Technical Data

Divided drivage with roof and level

	FOE	FOE/ETS	ETS
Length (m)	35	20	40
Width (m)	11	20	9
Height (m)	9	9	8
Excavation cross section (m ²)	≥ 80	≥ 80	≥ 70

Lining:

- 3 cm coating
- 1 anchor per m² L=2 m GRP anchor Powerthread K60-25
- 20 cm slotted shotcrete lining, C35/45 XC 3 XA 3 singlelayer mesh reinforcement Q 188
- 1 anchor per m² running head anchor G12 Wiborex 30/11 (FOE: L=12 m; FOE/ETS and ETS: L=18 m)

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Special Features

- Convergences exceeded permitted limit values
- Installation of up to 18 m long roof bolts

