



Finne Tunnel

Data and facts

Company	PORR Tunnelbau GmbH and PORR GmbH & Co. KGaA in a consortium
Type	Tunneling
Runtime	12.2006 - 12.2012
Principal	DB Netz AG, represented by DB ProjektBau, regional area south east, large-scale project VDE 8

[Project report online](#)

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Time saving of two hours from a tunnel of just 6.83km

In addition to the challenging task of tunnelling under Schecktal – a section of tunnel with a distance to the surface of just 4.2m – the tunnelling project involved the following key measures:

- The new construction of two parallel, single-track tunnels using the shield method across a length of 6,822m, respectively 1,547m with slurry-supported shield with water pressure of up to 6 bar (single-layer lining with reinforced concrete tubbing elements, outer diameter: 10.82m)
- Start and target pits
- Groundwater lowering using 178 drilled wells across a 4.45km stretch
- 16 cross cuts, of which two with protective ground freezing
- Portals and sections using cut-and-cover method
- Earthworks and terrain modelling

Impressions



Image notes

1

Finne Tunnel TBM

Tunnel boring machine in front of the portal

2

Finne Tunnel reinforced concrete tubbing

The extension involved reinforced concrete tubbing elements with an outer diameter of 10.82m

Do you have questions about the project or would you like to learn more? Feel free to contact us for further information.

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