



Fachinger & Cramberger Tunnel, Limburg an der Lahn

Data and facts

Company	ARGE PORR GmbH & Co. KGaA, FELDHAUS Bergbau GmbH & Co. KG, Heinz Schnorpfeil Bau GmbH
Type	Tunneling
Runtime	02.2024 - 01.2026
Principal	DB InfraGO AG

[Project report online](#)

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Freshening up two tunnels from the 19th century

Parts of the old tunnel portal, which is well worth seeing, are to be secured and possibly erected in the neighbouring communities. As years of closure of the railway line, which is very important for rail commuters and tourists, is out of the question, the work will be carried out while the railway is restricted to one track. For this purpose, the existing tracks will be dismantled and a new track built in the centre of the tunnel.

Construction using the "tunnel-in-tunnel method" (TiT method) in cyclical tunnelling

In order to widen the tunnel cross-sections, "Nora" and "Tilly von Cramberg" work their way 426 and 732 metres through the mountain respectively. The existing structures are being dismantled with the help of the two mighty tunnelling portals. Cuts with soil nailing and partial net support will be created at the portals. Once the existing brick vaults have been completely dismantled, a horseshoe-shaped inner shell made of waterproof C35/45 concrete with high sulphate resistance will be constructed. It consists of foundations and an inner shell on top. The expansion is carried out by chiselling and blasting the rock. Anchors as well as a reinforced shotcrete shell, also of grade C35/45, are used as securing means. Rail traffic will continue to run safely on the newly laid track in the centre of the existing tube under the protection of an enclosure during the entire construction work.

Impressions

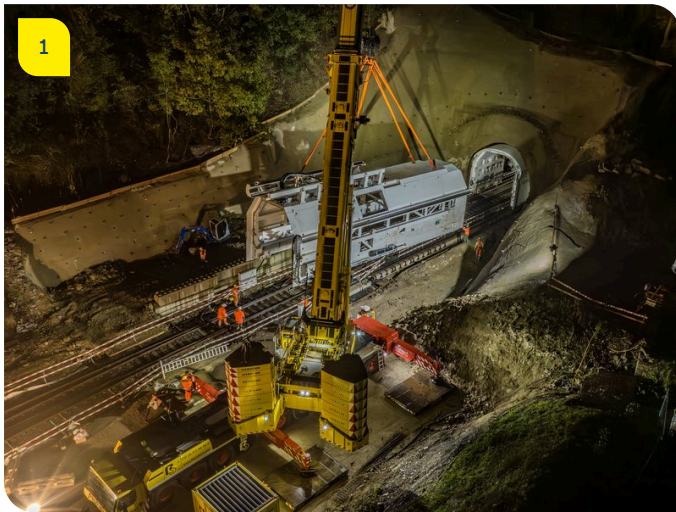


Image notes

1

Fachinger & Cramberger Tunnel, Limburg an der Lahn

Excavation of the tunnelling portal at the Fachinger Tunnel.

2

Fachinger & Cramberger Tunnel, Limburg an der Lahn

The tunnelling portal at the Cramberg Tunnel.

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

PORR AG Group Communications

Absberggasse 47

1100 Wien

T +43 50 626-0

E-Mail: comms@porr-group.com