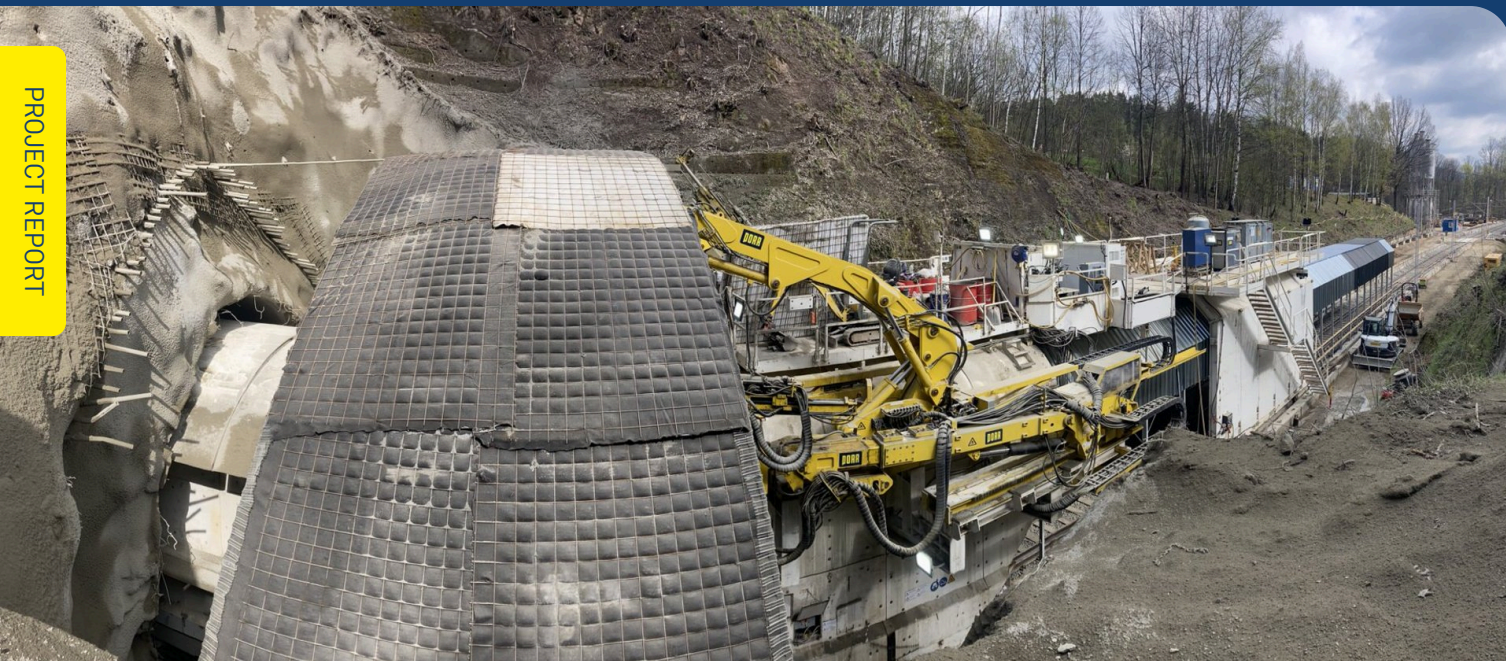




Trzcinsko Tunnel LK274

Data and facts

Company	PORR Bau GmbH, PORR S.A.
Type	Tunneling
Runtime	01.2023 - 05.2024
Principal	PKP Polskie Linie Kolejowe S.A

[Project report online](#)

www.porr.pl



Tunnel construction whilst rail services continue to operate

An existing railway tunnel was refurbished on the LK 274 railway line between Walbzych and Jelenia Gora. The works involved widening the 300-metre-long existing tunnel using the ‘tunnel-in-tunnel’ tunnelling method. This method allows rail services to continue without interruption throughout the entire tunnelling process. Another distinctive feature of this project is that the power supply for rail traffic was maintained via an overhead line.

The tunnelling was carried out using a tunnel-widening portal (TWP), whilst the inner lining work was performed using a formwork system comprising reinforcement, rehabilitation and formwork carriages. All work was carried out in 24/7 shift operations to complete the construction project as quickly as possible.

Impressions

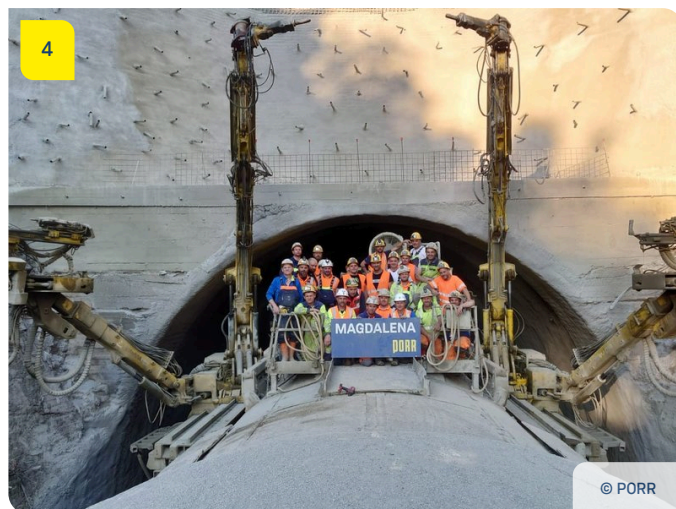


Image notes

1

Start of tunnelling with the tunnel expansion portal
air arch section, entry into the rock

2

Tunnelling work using the tunnel extension portal
Portal area with protective tunnel

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3

Tunnelling work at the tunnel extension portal

View during tunnelling work on the upper deck of the tunnel extension portal (Current work: erecting support arches)

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5

Inner lining works

Completion of tunnelling works

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4

Breakthrough

Completion of tunnelling works

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6

Project completion

Portal view after completion

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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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