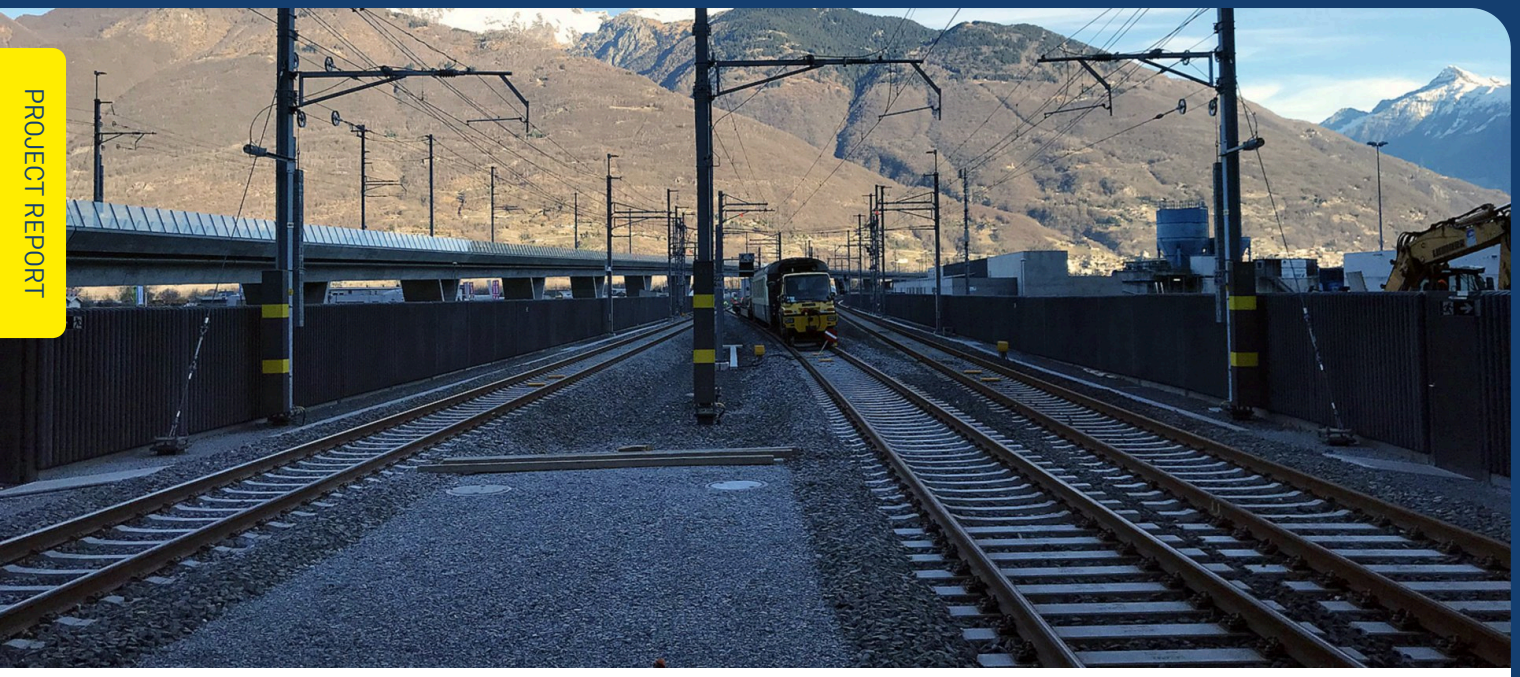
PROJECT REPORT



Ceneri base tunnel railway engineering

Data and facts

Company	PORR SUISSE AG in consortium (Cablex-PORR-Consorzio)
Type	Tunneling
Runtime	03.2018 - 08.2020
Principal	Alp Transit Gotthard AG (ATG)

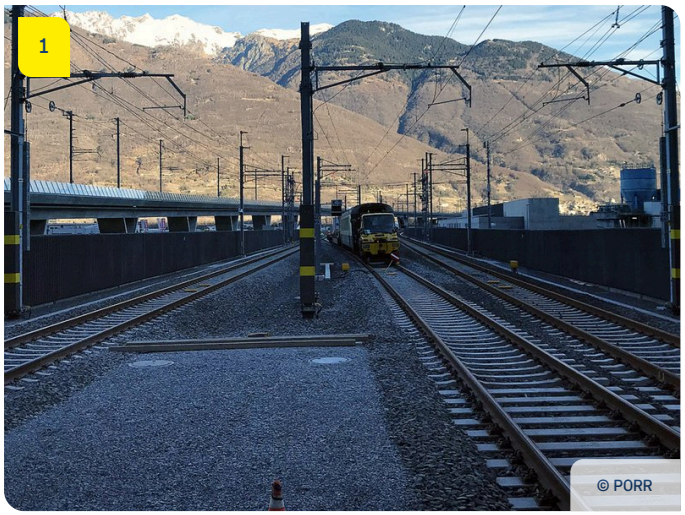
Project report online

www.porr-group.com

State-of-the-art railway technology in the base tunnel.

It is the third largest tunnel construction in Switzerland. The 30.7km long tunnel system consists of two single-track tubes - the east tube (15.4km) and the west tube (15.3km). For safety reasons, the two directionally separated, 40m apart tunnel tubes are connected to each other by cross-cuts every 325m.

Impressions



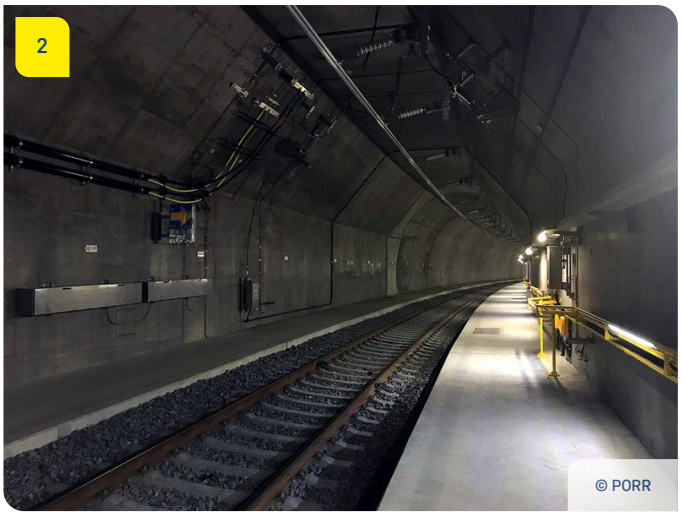


Image notes

1

Overhead line system at the north portal.

The double track towards the north portal with masts and carrier chain for the catenary.

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2

Ceiling conductor rail and feed at the south portal.

Tunnel entrance with ceiling conductor rail (DSS) at the tunnel ceiling and feed cable and grounding boxes on the left tunnel wall.

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3

The west tunnel at km 335+900.

In both tunnel tubes, the contact line is designed as ceiling conductor rail (DSS). A continuously illuminated LED handrail connects the 47 cross-cuts, whose entrance areas are marked in green.

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PROJECT REPORT

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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