



SuedLink Elb crossing ElbX, Wewelsfleth / Wischhafen

Data and facts

Company	PORR GmbH & Co. KGaA
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Type	Tunneling
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Runtime	10.2023 - 08.2027
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Principal	TenneT TSO GmbH
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[Project report online](#)

www.porr-group.com



A tunnel 20 m under the Elbe

Watch our videos on the project:

- [All videos on the SuedLink Elbquerung ElbX project](#)
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For tunnelling, the segmental construction method is used. Around 20 m below the Elbe, the tunnel boring machine will work its way through the soil. Six 525 kV direct current cables will be pulled into the finished tunnel and connected to the SuedLink underground cables on both sides of the Elbe. Rails in the tunnel allow tunnel vehicles to drive through, so that the tunnel can be accessed quickly and safely for maintenance and repair work even after the construction phase has been completed.

SuedLink as a decisive milestone for the energy transition

To enable energy from wind power to be transmitted from north to south, a so-called HVDC link is being built with SuedLink. Two underground cables are to transport four gigawatts through the country via "high-voltage direct current transmission". However, renewable energies are not only produced decentrally everywhere in Germany - they also fluctuate greatly in their feed-in. The direct current technology with which SuedLink is being realised makes it possible to react more flexibly to the fluctuations and to better control load flows in the grid. The transmission capacity is roughly equivalent to that of four nuclear power plants. In mathematical terms, around ten million households can be supplied with electricity.

Impressions

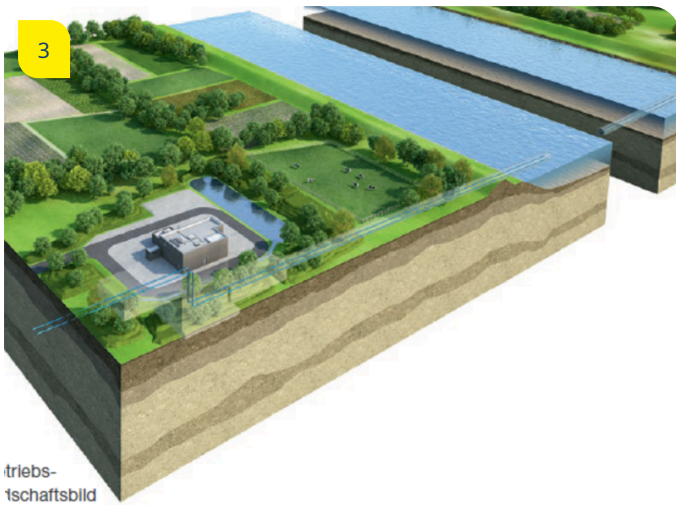


Image notes

1

SuedLink Elbe crossing ElbX, Wewelsfleth / Wischhafen

From Wewelsfleth, a 5.2 km long tunnel is being built under the Elbe to the target shaft in Lower Saxony near Wischhafen.

2

SuedLink Elbe crossing ElbX, Wewelsfleth / Wischhafen

Grid operator TenneT TSO GmbH commissioned PORR Tunnelling for the challenging construction project of the SuedLink Elbe crossing between Schleswig Holstein and Lower Saxony.

3

SuedLink Elbe crossing ElbX, Wewelsfleth / Wischhafen

The tunnel will run 20 metres below the Elbe

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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