



Modernisation of Austria's longest road tunnel

Renovation of the Arlberg Tunnel

Data and facts

Company	PORR Bau GmbH
Type	Tunneling, Tunneling
Runtime	01.2023 - 12.2024

[Project report online](#)

www.porr-group.com



Future-proof infrastructure between Tyrol and Vorarlberg

Due to the tight time frame, all work was carried out on a continuous 24/7 basis. At peak times, up to 150 skilled workers were working simultaneously in the tunnel to complete the numerous measures on schedule. In the course of the renovation, large quantities of existing material were removed, extensive sections of the main tunnel drainage system were rebuilt, the raised hard shoulder was renewed and the concrete carriageway, including the asphalt base course, was completely rebuilt. The coordinated execution of this work within a highly compressed timeframe underlines the company's performance and experience in complex infrastructure construction.

Sustainability through innovative construction methods

Despite the technical and scheduling challenges, great importance was attached to sustainability and resource conservation. A significant portion of the removed concrete pavement could be reused directly on site. This eliminated numerous truck trips and saved valuable landfill space. This approach not only reduced emissions, but also contributed to efficient and environmentally conscious project execution. The project demonstrates how innovation and sustainability can be successfully combined even in demanding tunnel construction work.

Complex logistics and precise coordination

The entire construction process placed the highest demands on logistics and organisation. Limited space in the tunnel, the precise timing of material deliveries and the coordinated deployment of equipment and personnel required exact planning and ongoing coordination. At the same time, working in the confined tunnel cross-section demanded a high degree of commitment and flexibility from the entire team. Thanks to the great commitment of all those involved, both the schedule and the quality specifications were fully met. With the successful completion of the renovation, the Arlberg Tunnel is once again available as an efficient, safe and sustainable transport link, making a significant contribution to sustainable mobility in Austria.

Impressions

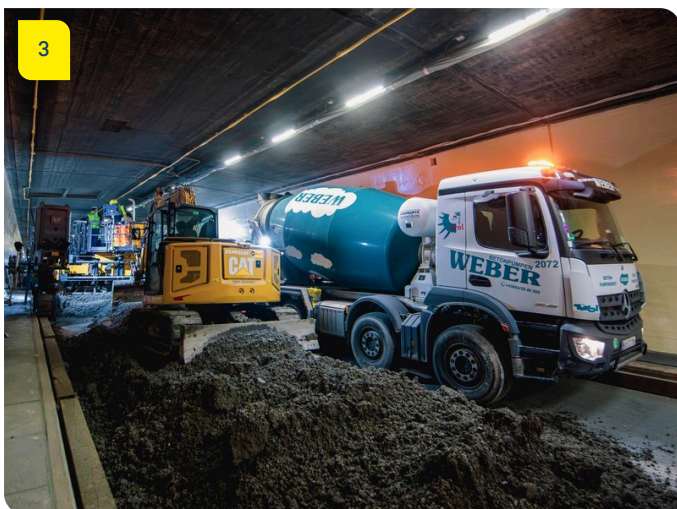
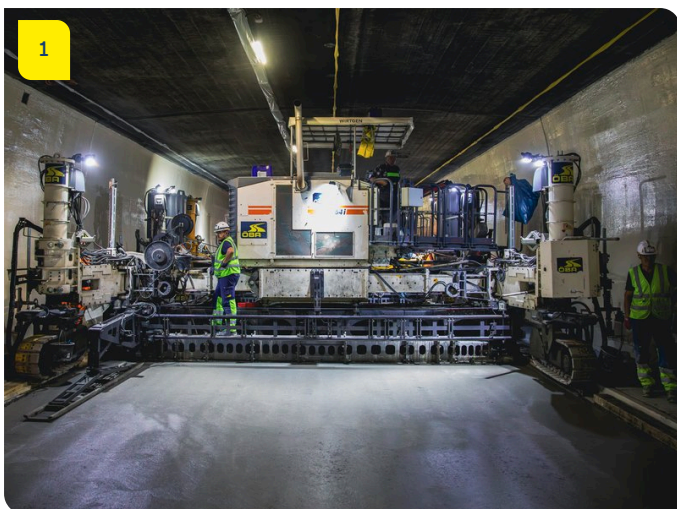


Image notes

1

Future-proof infrastructure

The concrete road surface was compacted and sealed using a cross smoother.

2

Sustainability through innovative construction methods

Recycled material from the old road surface was incorporated into the sub-base concrete of the new road surface.

3

Complex logistics and precise coordination

In the most confined spaces, work was carried out around the clock at full speed.

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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