

A new inner shell for the Sasslatsch tunnel

Tubbing transfer system in the Rhaetian Railway tunnel

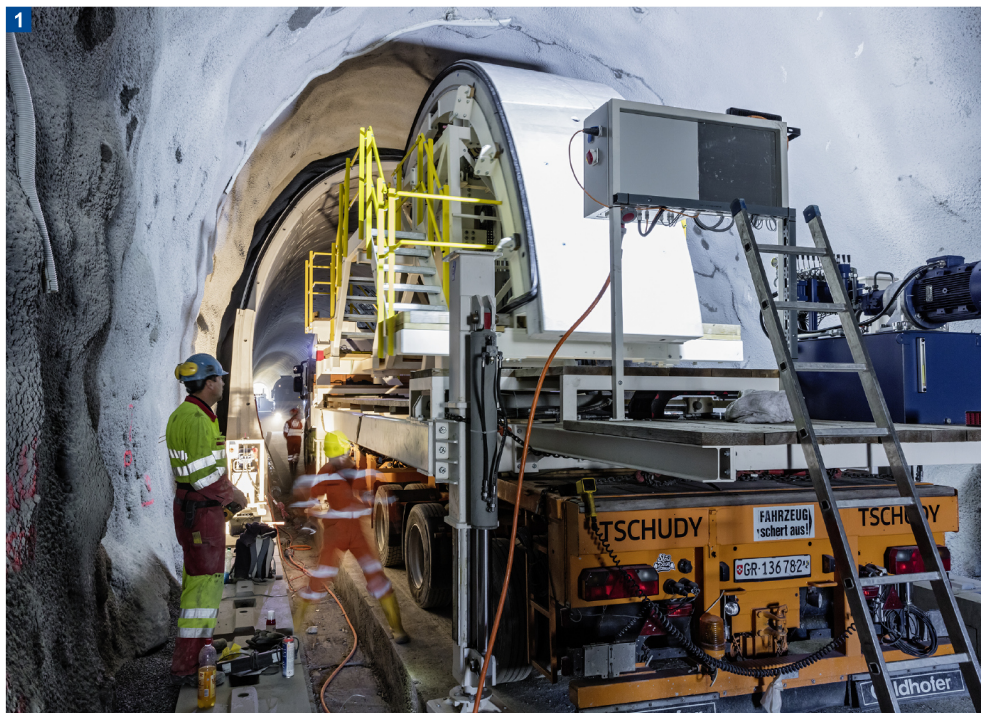


The Bever-Scuol-Tarasp railway line is a narrow metre gauge railway. Built at the beginning of the 20th century, it is operated by the Rhaetian Railway. This line includes the Sasslatsch connecting tunnel between Susch and Lavin, which was renovated from 2016 to June 2017 with a new tunnel-in-a-tunnel method. The old vault walling was excavated, the tunnel was widened, re-anchored and fixed with shotcrete. The tunnel was then lined with sealed precast concrete elements and filled in with gravel.

The new process extends the service life of the tunnel by another 80 to 100 years. It also represented a significant reduction in costs compared to the usual on-site concrete lining. Marti Technik developed a complete tubbing transfer system for the inner shell of the tunnel.



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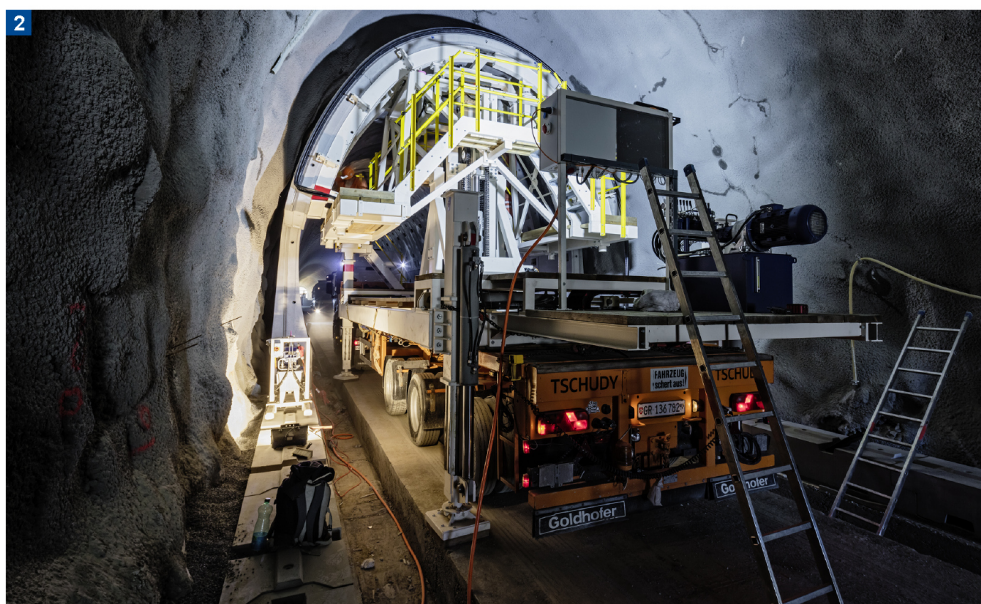


Client
ARGE Marti Sassa
(Marti Tunnelbau AG)

Created
2016

System data

- Bottom stone 1.0 t
- Parament stones 5.0 t
- Wall stones and ridge tile 13 t
- Tubbing transfer device 16 t



Cover: Lifting of a loaded Barelle

- 1 Tubing transfer device before turning
- 2 Tubing transfer device on insertion
- 3 Parament press
- 4 Installation area