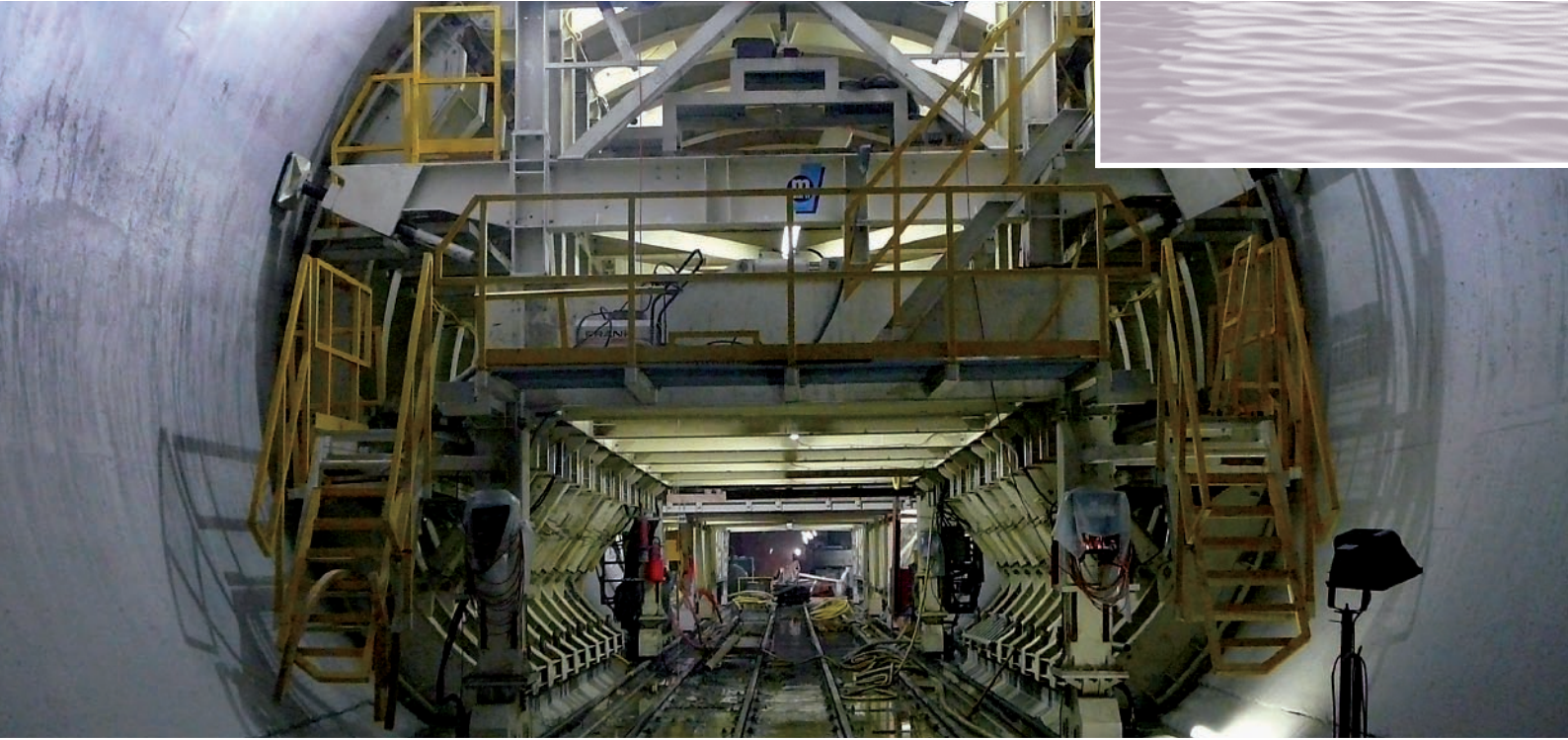
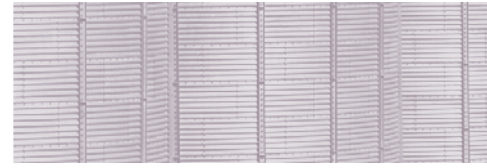


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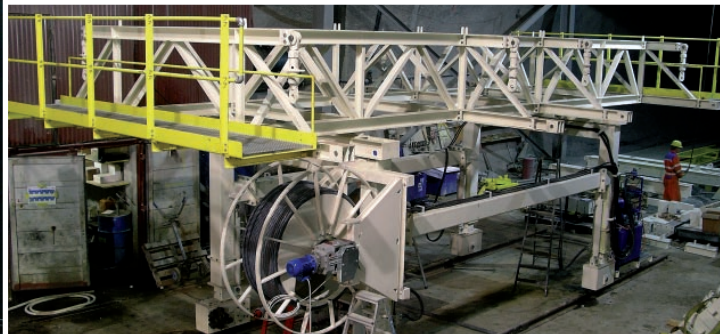
Formwork system Sedrun, Gotthard base tunnel



Gotthard base tunnel

Formwork system Sedrun

Client AlpTransit Gotthard Ltd.
Main contractor ARGE Transco Sedrun
Sub-contractor Marti Technics Ltd.
Value of order CHF 4.3 mn
Drawn up 2006/2007/2008



Services provided by Marti Technics Ltd.

Planning, manufacturing, delivery, installation and commissioning of the entire formwork system.

Scope of supply

- 4 Vault-bottom formworks
- 2 Transport carriages for vault-bottom formworks
- 4 Vault formworks
- 4 Sealing carriages
- 4 Combination carriages
- 2 Reinforcement carriages
- 1 Formwork emergency stop
- 1 Formwork exhaust air shaft
- 1 Collar formwork cross-cut
- 3 Cable-block formworks
- 3 Niche formworks

Technical data

Vault formworks

- Construction radius: $R = 3970$ mm
- Formwork length: changing from 10 m to 12 m
- Design: complete hydrostatic pressure

- Concrete radii: $R = 3870$ mm to $R = 4070$ mm and $R = 3970$ mm to $R = 4370$ mm
- Expansion: up to 500 mm in radius
- Formwork type: changing from front carriage to rear carriage
- Formwork weight: 125 t to 145 t
- Overall concrete length: ca. 12 000 m + 15 000 m



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