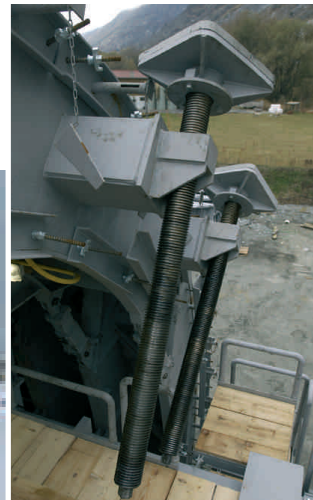


Lötschberg base tunnel

Formwork system

Client	BLS AlpTransit AG
Main contractor	ARGE MaTrans Steg/Raron
Sub-contractor	Marti Technics Ltd.
Value of order	CHF 7 000 000.00
Drawn up	2002/03



Services provided by Marti Technics Ltd.

Planning and delivery of entire formwork system.

Scope of supply

Line of tunnel-boring machine

- 2 kicker formworks
- 1 cross-section control truck
- 1 supply truck
- 6 vault formworks
- 2 shoulder formworks

Line of blasting

- 1 scaffold truck
- 1 supply truck
- 6 vault formworks with loading ramps
- 2 shoulder formworks
- 2 cross-cut formworks



Technical data

Vault formwork

Line of tunnel-boring machine

- Diameter 8.4 m
- Concrete stage 12.44 m
- Formwork weight 100 tonnes
- Concrete/block ~130 m³
- Overall concrete length 15 000 m

Line of blasting

- Diameter 7.2 m / 5.83 m
- Concrete stage 12.44 m
- Formwork weight 110 tonnes
- Concrete/block ~160 m³
- Overall concrete length 4500 m

All formworks are measured to ensure that they can withstand full hydrostatic pressure.



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