

Section Sedrun, Switzerland

With a length of 57 km, the Gotthard Base Tunnel is the longest railway tunnel in the world.

The tunnel interconnects Erstfeld in the valley of Uri with Bodio near Biasca in the canton of Ticino.

The section Sedrun is one out of five sections of the Gotthard Base Tunnel construction site.

This section has a length of 6.8 km and a maximum overburden of 1'550 m.







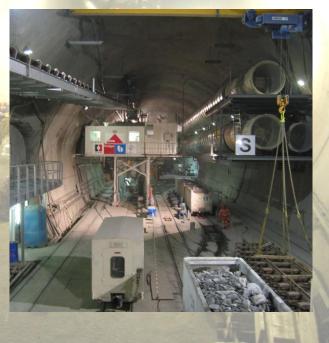
Project

Railway tunnel; construction of two new single-track railway tunnels
Overall length: 57 km
Tunnel section: 6.8 km

Our Services

- Design in engineering joint-venture
- Construction supervision in an engineering joint-venture

In collaboration with Pöyry Infra AG and Lombardi SA Ingegneri Consulenti



Construction of the new Gotthard Base Tunnel

Location

Sedrun, Switzerland

General Information

Construction costs (price base 1991)

Gotthard Base Tunnel South: CHF 9'826 million
Section Sedrun: CHF 930 million
Intermediate Access Sedrun: CHF 205 million

Project Stages

Design: since 1990 Realisation: 1999 – approx. 2016

Project Description

Intermediate adit Sedrun: Length: 987 m

Cross-section 35 m²

Vertical shaft: Height: 800 m Diameter: 8.60 – 9.00 m Cross-section: 63 m²

Ventilation shaft: Length: 225 m Slope: 90 % Cross-section: 15 m²

2 single-track tubes: Length: je 6.8 km

Cross-section: 60-130 m²

Multifunction station: Length: 1.7 km

Geology

Max. overburden: 1'550 m

Client and Contact Person

AlpTransit Gotthard AG (ATG)
Dr. Renzo Simoni (director)



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