

Gotthard Base Tunnel, Logistics for the installation of railway technology

The Gotthard Base Tunnel is the longest railway tunnel on earth. It is composed of two tunnels of 57 km length each. Within this mandate, detailed planning of the entire logistics for the installation of the railway technology was done. Optimized processes and schedules had to be developed. The installation of the railway technology is carried out from two main and three smaller installation sites. These sites are equipped with a complex and highly efficient infrastructure to allow the railway technology installation process, which is unique in terms of scale and complexity, to be carried out according to very high quality requirements and a tight schedule.

**Client**

AlpTransit Gotthard AG

Period: 2003 - 2008**Delivered services**

- Construction project, incl. cost estimations
- Tender process, bid evaluation and award of contract
- Assessment of the execution planning
- Project quality management (PQM) for the entire project
- Planning and tendering of construction site safety
- Supervision of the execution incl. PQM (pending)

Specifications

- Length of the tunnel: 57 km
- 5 installation sites of a total size of: 1.3 km²
- Temporary railway for logistics: 125 km
- Total logistics volume: about 800'000 tons
- Cost of logistics services: about CHF 280 Mio.