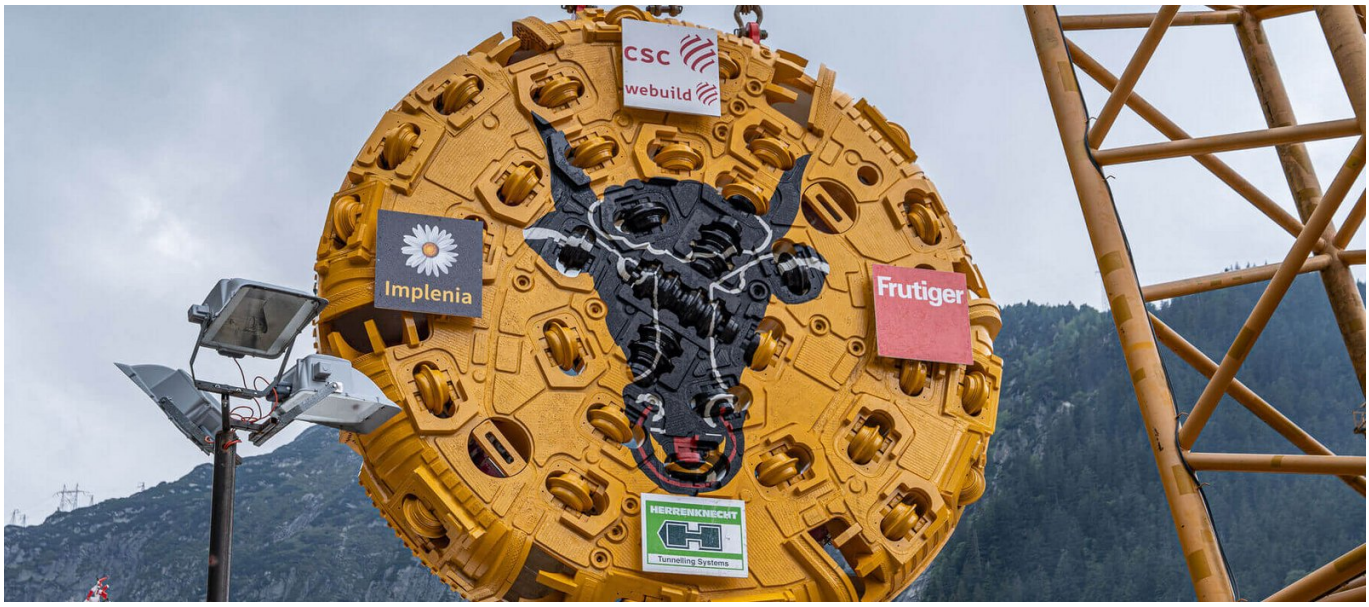
Reference

Secondo tubo San Gottardo - Lot 243, North access tunnel









SHORT DESCRIPTION

To rehabilitate the existing Gotthard Road Tunnel, a second tunnel tube (2TG) will be built first. Lot 243 comprises the construction of the access tunnel and the north logistics excavations. The project serves for the preliminary development of the north fault zone and for the provision of the underground logistics excavations.

THE PROJECT

The 4 km long access tunnel to the north fault zone runs parallel to the future second tunnel tube. The tunnel will be excavated with a Gripper TBM dn 7.03m. For the later logistics, a 150 m long cavern and several galleries for logistics routes with a total length of 750 m will be excavated by blasting. In the portal area, loose rock has to be penetrated by means of pipe shields over a total length of 100m with 2 drifts.

CHALLENGES

- Mechanical tunnelling in the hard Aare massif

- Danger from avalanches

FACTS

Location	Göschenen , Switzerland
Status	Under construction
Construction volume (value of our services)	86.5 M CHF
Start of construction	April 2021
Completion	December 2023
Building owner	Astra; Filiale Bellinzona
Contracting entity	Astra Projektverfasser: IG Nouvo Gottardo (Lombardi SA; B+S AG; ILF AG;Emch+Berger AG)
General management	IG 2G-BN ARGE: ARGE secondo tubo (Implenia; webuild&CSC SA; Frutiger AG)
ARGE	ARGE secondo tubo
TBM Tunnelling	✓

SERVICES

- Infrastructure
- Tunnelling
- Service tunnels
- Structural engineering