



Project report

Kirchenwald Tunnel
A2/A8 Luzern – Gotthard (Switzerland)



Customer: Sutter AG
 Industrie 5
 6078 Lungern
 Switzerland

Type: Road tunnel

Length: 1,6 km

Year of manufacture: 2004 - 2005

The Kirchenwald Tunnel replaces the existing highway A2 at the northern foot of Loppers between Hergiswil and the Acheregg near Standsstad in Stansstad in the Swiss Canton Nidwalden. It was mainly built for protection against falling rocks or even rockslide, because in the past several lumps of rocks weighing a ton fell onto the highway. As the consequences of a massive rockslide in the major transit route between mountains and sea in the absence of local bypass options would be extremely serious, one decided to take this costly step.

In addition to the North- and South-tube a connecting tunnel to the Highway A8 towards Brünig have been created. Until now it was only possible to drive from the A8 to the A2 in either northerly or southerly direction. Coming from south, a direct diversion to the highway A8 was not possible, whereby the village of Standsstad was charged with through traffic. The Kirchenwald Tunnel south was opened in 2006, the northern tube and the connecting tunnel, which branches off from northern tube inside the mountain, and leads parallel from the mountain to the existing Lopper Tunnel, in December 2008.

The two tubes are connected by escape tunnels.

Products:



- **System:** Sliding gate with sliding door as escape door
- **Number of leaves:** 1
- **Drive:** Electric drive
- **Fire protection:** EI 30
- **Suction/Pressure:** ± 2.000 Pa
- **Dimension:** up to 12 m x 4,5 m
- **Colour:** RAL 6029
- **Quantity:** 30 units
- **Location:** cross cut

In addition, 1 -leaf and 2-leaves doors have been installed.

