



# **SCHARNITZ TUNNEL**

## **SCHARNITZ (AT)**

### **CLIENT**

Landesbaudirektion, AT-6020 Innsbruck

### **DESIGNER**

ILF – Beratende Ingenieure ZT GmbH

### **CONSTRUCTION PERIOD**

01.2016 – 11.2017

### **CONTRACT SUM**

CHF 25 Mio. (€ 23.1 Mio.)

### **JOINT VENTURE COMPANY**

ARGE Umfahrung Scharnitz BL1

### **JOINT VENTURE PARTNERS**

Marti GmbH Österreich, AT-8045 Graz  
Teerag Asdag, NL Tirol, AT-6175 Kermaten  
Gebrüder Haider Bauunter. GmbH, AT-4463 Grossraming

### **LEAD COMPANY AND TECHNICAL LEAD**

Marti GmbH Österreich, AT-8045 Graz

### **COMMERCIAL LEAD**

Teerag Asdag, NL Tirol, AT-6175 Kermaten

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### PROJECT DESCRIPTION

The new bypass Scharnitz is planned with one lane per direction. The project starts at the southern entrance from Scharnitz at km 19.0, of the existing B 177. From there the new route turns left and is crossing the area of the Talboden, then crosses the Giessenbach (bridge Giessenbach) and leads to the north end of the sports field into the 959 m long tunnel Porta Claudia.

The tunnel crosses in north-east direction the Arntalköpfle and ends just north of Porta Claudia Street. After approximate 100 m the bypass crosses the Isar (Isar-bridge) and merges directly before the state border into the existing B 177. The new road is 2'080 m long and the maximal longitudinal slope is 2.3%.

At the beginning of the bypass the existing B 177 in the form of a T-node with a left leading bend is being connected. The existing B177 will provide for a connection to the town Scharnitz and the town Seefeld. At the northern end of the bypass the B17 will be connected with a T-node to the new road and tunnel section.

### WORK DESCRIPTION

- OBW portal south and north L=287 m
- Bypass Tunnel Scharnitz L=672 m
- Drivable escape gallery L=159 m
- Noise protection wall
- Access portals km 20,633 to 20,720  
km 19,000 to 19,674
- Ecological equalisation measures
- 2 underground passages 19+505 and 19+610 m
- Pedestrian escape gallery GA 19+900 m
- Construction of a new football field

### GEOLOGY

- Wetterstein limestone
- Kakirit
- Fault Gouge
- Slope debris
- Moraine material
- Ground moraine



14.12.2017