



# POWER PLANT BÄRENWERK

## FUSCH (AT)

### EMPLOYER

Salzburg AG, Pinzgau

### DESIGNER

Salzburg AG, Pinzgau

### TIME OF COMPLETION

2012 - 2014

### CONTRACT SUM

CHF 25 Mio.

### EXECUTION OF THE WORKS

ARGE KW Bärenwerk

### CONSORTIUM PARTNERS

Marti GmbH, AT-8010 Graz

Marti GmbH Deutschland, DE-70567 Stuttgart

Marti Tunnelbau AG, CH-3302 Moosseedorf

### LEAD COMPANY – TECHNICAL AND COMMERCIAL LEAD

Marti GmbH, AT-8010 Graz

# POWER PLANT BÄRENWERK

## FUSCH (AT)

### SCOPE OF THE WORKS

Upgrade of the power plant Bärenwerk in Fusch, on the Grossglockner. The main measures are the construction of the underground waterway gallery and the new dam.

- Waterway Ø 3.8 m

- Tilt 4.8 %

- Length 3'275 m

Technical Specifications

- Operator: Salzburg AG

- Plant type: Hydropower plant

- Commissioning: 1924

- Yield (+28 %): 14'960 kW instead of 11'600 kW

- Annual production (+17 %): 66.3 Mio. kWh instead of 56.9 Mio. kWh

- Turbines: 3 Pelton turbines

- Tank: daily storage in Ferleiten

- Height of fall: 290 m

- Flow: 6.45 m<sup>3</sup>/s instead of 5.35 m<sup>3</sup>/s



### ACTIVITIES

100 m with counter-jacking D&B

15 % slope

280 m gallery D&B

2'835 m penstock TBM Ø 3.8 m

2'935 m inner shell of 600 m with sealing



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