



# POWER PLANT BÄRENWERK FUSCH (AT)

## EMPLOYER

Salzburg AG, AT-5020 Salzburg

## DESIGNER

Salzburg AG, AT-5020 Salzburg

## TIME OF COMPLETION

07.2012 – 12.2014

## CONTRACT SUM

CHF 25 Mio. (€ 21 Mio.)

## EXECUTION OF THE WORKS

ARGE KW Bärenwerk

## CONSORTIUM PARTNERS

Marti GmbH Österreich, AT-8010 Graz  
Marti GmbH Deutschland, DE-70567 Stuttgart  
Marti Tunnel AG, CH-3302 Moosseedorf

## LEAD COMPANY – TECHNICAL AND COMMERCIAL LEAD

Marti GmbH Österreich, 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 600 m with sealing



16.08.2017