TUNNEL KATZENBERG
BAD BELLINGEN (DE)

**EMPLOYER**
DB Projektbau GmbH, DE-76137 Karlsruhe

**DESIGNER**
Planungsgemeinschaft Katzenbergtunnel
Ed. Züblin + Wayss & Freytag Ingenieurbau

**TIME OF COMPLETION**
2003 – 2010

**CONTRACT SUM**
CHF 400 Mio.

**EXECUTION OF THE WORKS**
Ed. Züblin AG, DE-70435 Stuttgart
Wayss & Freytag Ingenieurbau, DE-60489 Frankfurt
Marti Tunnelbau AG, CH-3302 Moosseedorf
Jäger Bau GmbH, AT-6780 Schruns

**LEAD COMPANY**
Ed. Züblin AG, DE-70435 Stuttgart

**COMMERCIAL LEAD**
Wayss & Freytag Ingenieurbau, DE-60489 Frankfurt
**TUNNEL KATZENBERG**

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**SCOPE OF THE WORKS**

New Railway tunnel Karlsruhe-Basel

Section of planning 9.1 direction Schliengen-Eimeldingen
- 2 tunnels of 9'385 m, of that 8'984 m with tunnel boring machine
- 19 pces cross cuts (all 500 m)
- 2 pces ventilation shafts Ø = 6 m, H = ca. 70 m

**ACTIVITIES**

- TBM drive Ø = 11.16 m
- 2 EPB-Earth pressure balanced shielded tunnel boring machines with single concrete segmental lining
- Concrete segments up to 9 bar pressure of water
- Tickness of the segments: D = 60 cm
- Concrete floor and shoulders
- Water pipes for fire-fighting
- Innerlining concrete for cross cuts with up to 9 bar pressure
- Installation of handrails and doors

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