



KRAMERTUNNEL

GARMISCH-PARTENKIRCHEN (DE)

EMPLOYER

Staatliches Bauamt Weilheim, DE-82362 Weilheim

DESIGNER

Ingenieurbüro EDR GmbH, DE-82418 Murnau
ILF Beratende Ingenieure ZT GmbH

TIME OF COMPLETION

03.2011 – 06.2013

CONTRACT SUM

CHF 25 Mio. (€ 21 Mio.)

EXECUTION OF THE WORKS

Arbeitsgemeinschaft EKS Kramertunnel

CONSORTIUM PARTNERS

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

LEAD COMPANY AND TECHNICAL LEAD

Marti GmbH Österreich, AT-8010 Graz

COMMERCIAL LEAD

Marti GmbH Deutschland, DE-70567 Stuttgart

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SCOPE OF THE WORKS

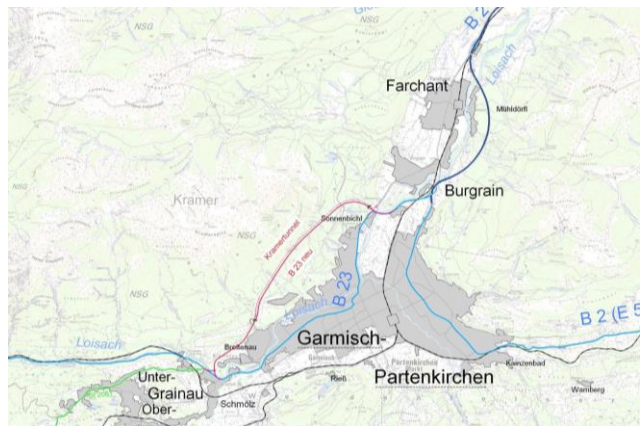
Realignment west of Garmisch-Partenkirchen
Lot 4; Kramertunnel

- Prospection gallery Award Nr B050413-04A (negotiated procedure)
- Crossing of the Kramer massive west of the locality of Garmisch-Partenkirchen
- Construction of the 3.7 km long prospection gallery
- Preparation works to the adjacent road network
- Geological investigation



ACTIVITIES

- Conventional drill & blast excavation from both portals (26 - 30 m²)
- Mechanical excavation limited to geological fault zones (Kramer overlap) and southern portal area
- Construction of escape passages with local cross-section expansions (45 - 71 m²)
- Cavity protection with reinforced shotcrete, rock bolts, spiles and steel beams
- Pipe umbrella execution in soft ground at the south portal
- Exploration program (geological prospection drilling starting from the gallery, borehole measurements, geophysical well logs, laboratory tests etc.)
- Horizontal directional drilling (HDD drilling) under the landslide area L = 362 m, radius of up to 341 m, Ø 400 mm pressure pipe
- Earthworks and roadwork, road realignment, road accesses



14.12.2017