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
2011 - 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