



TUNNEL DE BURE, A16

COURTEDOUX (CH)

CLIENT

République et Canton du Jura, CH-2800 Delémont

DESIGNING ENGINEER AND SITE SUPERVISION

Ingenieurgesellschaft

GGT SA + Gähler & Partner AG, CH-5408 Ennetbaden

TIME OF COMPLETION

01.2007 – 12.2010

CONTRACT SUM

CHF 131 Mio.

EXECUTION OF THE WORK

Groupement Tunnel de Bure

CONSORTIUM PARTNERS

Marti Tunnel AG, CH-3302 Moosseedorf

Parietti & Gindrat SA, CH-2900 Porrentruy

Marti Travaux Spéciaux SA, CH-2087 Cornaux

LEAD COMPANY – TECHNICAL AND COMMERCIAL LEAD

Marti Tunnel AG, CH-3302 Moosseedorf

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SCOPE OF THE WORKS

National highway A16

Lot 2.602

- Double track tunnel between Boncourt - Porrentruy
- Length of the tunnel L = 3' 091 m
- Ventilation buildings on top of three ventilating shafts
- 3 double sided emergency stopping bays
- Ventilation buildings at both portals

ACTIVITIES

- Excavation with TBM-drive $\varnothing = 12.60$ m, A = 125 m², with concrete segmental lining
- Excavation; L = 2'902 m
- Production of the segments in our own factory in Klus-Balsthal
- Systematic exploratory drilling ahead the face to identify Karst caverns
- Excavation of the 2 ventilation shafts and one access shaft by drill and blast H = 25 m, $\varnothing = 5$ m
- Interior work; technical gallery under the roadway, waterproofing membrane, concrete lining, ventilation slab, roadwork and pavements, ventilation buildings, cut and cover sections at both portals

GEOLOGY

- Jura limestone
- Marl
- Transition zone highly karstified about 250 m



27.01.2015