



# **NORDNES TUNNEL**

## **SAMUELSBERG (NO)**

### **CLIENT**

Statens Vegvesen Region Nord  
(Norwegian Road Administration)

### **CONSTRUCTION PERIOD**

12.2014 – 10.2017

### **CONTRACT SUM**

CHF 74 Mio. (NOK 536 Mio.)

### **JOINT VENTURE COMPANY**

Marti Nordnes DA

### **JOINT VENTURE PARTNERS**

Marti AS, NO-0278 Oslo  
Marti Tunnel AG, CH-3302 Moosseedorf  
ÍAV hf, IS-110 Reykjavík

### **LEAD COMPANY AND COMMERCIAL LEAD**

Marti AS, NO-0872 Oslo

### **TECHNICAL LEAD**

Marti Tunnel AG, CH-3302 Moosseedorf

# NORDNES TUNNEL

## SAMUELSBERG (NO)

### SCOPE OF THE WORKS

The K01 E6 Indre Nordnes-Skardalen road project is being built as rockfall and avalanches protection project and will shorten the E6 by eight kilometers. The new road with a 5.8 km long double lane tunnel, lies between Monsastubergan and Manndalen in the Kåfjord municipality in Troms, Norway.

The main parts of the project consist of:

- 5'810 m long (T 9.5, 71 m<sup>2</sup>) double lane road tunnel, technical room caverns and tunnel widenings
- 6'590 m of road
- 100 m long bridge

### WORK DESCRIPTION

Underground excavation, rock support and grouting work

- Excavation method: drill & blast
- Excavated length and volume: 5'970 m, 470'000 m<sup>3</sup>
- Standard rock support: shotcrete (10'000 m<sup>3</sup>) and systematic rock bolts (25'000 pcs)
- Additional rock support: spiling bolts and reinforced shotcrete arches

Water and frost protection work

- PE-foam & shotcrete lining: 70'000 m<sup>2</sup>

Surface- and groundwork

- Pre-cut excavation
- Roadwork: 6'590 m
- Fresh water and drainage system
- Installation of cable pipes

Concrete work

- 6 technical buildings
- Portals cut & cover: 50 m and 15 m
- One 100 m long bridge (prestressed, 450 t reinforcement, 2'000 m<sup>3</sup> concrete)

Sea work

- Dredging (49'000 m<sup>3</sup>)
- Dumping of excavated material (420'000 m<sup>3</sup>)

Electrical work

- Earthing system

### GEOLOGY

- Gneiss



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**Marti Tunnel AG**

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