



## Foundation Drilling

# Jobsite Report 80

### Customer

SKANSKA, IMPLENIA

### Place

Varberg, Schweden

### Drilling Job

IMPLENIA, with the help of subcontractor SKANSKA, built the Varberg Tunnel - a double-track railway line of the West Coast Railway. The railway track which runs through Varberg has a new railway station and freight station. It has been built in order to create an improved infrastructure for commuter traffic and for the transfer of goods traffic to rail. The new double tracks run over a distance of about 9 km, passing through a concrete tunnel about 300 m long and a rock tunnel about 2.8 km long.

- Start of planning: 2015
- Beginn of work: 2019
- Expected completion: 2024
- Calculated costs approx. 6 billion SKR (≈ 600 million EUR)

### Drilling Method

Over 10000 m of MAI self-drilling anchors in sizes T76N and T111N and about 3000 RD® piles with the corresponding casings of ground anchors were drilled.

### Equipment

- Drilling rig KLEMM KR 805-2 with drill mast 202-10
- Hydraulic drifter KLEMM KD 1011
- Clamping and breaking device type EG up to ø 356 mm
- Winch with cat-head, 10 kN
- Water pump GAMMA 202
- Welding generator DYNASET
- Rod handling device with crane FASSI F28
- Oil tank and engine coolant heating
- 6 working lights LED
- KLEMM drill mast 203-13 on VOLVO EC 250E
- Hydraulic rotary head KLEMM KH 21 with diverter
- Flushing head 2 x 2" and 1 x 1" and coupling VCV
- Clamping and breaking device type EG, shiftable, up to ø 356 mm
- Winch with cat-head, 19 kN

