



DEPENBROCK

REFERENZ HARBOUR CONSTRUCTION AND MARINE ENGINEERING Rostock Pier III



The scope: Driving of a sheet pile wall with a length of about 1040 m.

Before driving the sheet piles the existing local soil of marl had been exchanged with medium dense sand by using two rotary drilling rigs, working from pontoons, each one equipped with a moonpool. For the intermediate piles loosening drillings had been executed before the piling.

The anchorage of the combined wall which was made of load bearing piles and intermediate piles was achieved by the use of hinged anchors, grouted drilled anchors and horizontal anchors. The newly framed area was filled up to design level by our JV-partner "Nordsee" with about 1.600.000m³ of sand from the Baltic Sea. The embankments were secured by revetment stones and further a service road was constructed as well. Thus an area of about 10,4 ha had been created which later will be handed over from Rostock Port Development to the company Liebherr, which is having their manufacturing facility for harbour mobile cranes in Rostock.



Contract Value:
34,2 € Mio

Executed by:
Depenbrock IWB
former F+Z Baugesellschaft

Employer:
Hafenentwicklungsgesellschaft Rostock

Construction Period:
2010 - 2012

Site location:
Rostock

Specifications / Main Quantities:

Load bearing Piles	522 pcs.
Intermediate piles	523 pcs.
Load bearing / Intermediate piles	7.500 t
Hinged anchors	310 pcs.
Raked Pile	1.310 t
Grouted drilled anchors	126 pcs.
Horizontal Anchors	53 pcs.
Pipe Line Construction	500 m
Sand Filling	1.600.000 m ³
Vertical Drain	1.000.000 m

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