

REFERENZ HARBOUR CONSTRUCTION AND MARINE ENGINEERING MV-Yards Wismar – Refurbishment quay 4



F+Z Baugesellschaft received on a special proposal the order for the reconstruction of quay 4 of the MV shipyards Wismar.

The refurbishment was necessary to prepare the facilities and infrastructure for the final equipment of the Global Class ships. With their dimensions of 342 m long, 46 m wide and 74 m high, the world's largest cruise ships place new demands on the shipyard's infrastructure. In particular, the high crane loads require a robust quay construction, which must, however, integrate the sensitive existing structure.

For example, quay 4 will be rehabilitated over a length of 460 metres. Extensive test pile driving and sound insulation measurements were carried out in preparation.

The technical processing and the preparation of the statics were carried out by our in-house technical office.

Contract Value:
~ 20 € Mio

Executed by:
F+Z Baugesellschaft ZNL der Hecker
Bau GmbH & Co. KG

Employer:
MV Werften Wismar Property GmbH

Construction Period:
Sept. 2018 bis April 2020

Construction site:
MV Werften in Wismar

Specifications / Main Quantities:

Undultion	15,25 m
Water depth	NN -12.10 m
Support tubes	1,800 t
Inclined piles	720 t
Filling planks	550 t
In-situ concrete driven piles	approx. 100 pcs.
Reinforced concrete	approx. 10,300 m ³



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