



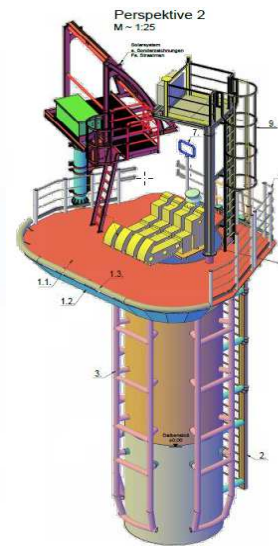
The joint venture between F+Z Baugesellschaft (TGF), Aug. Prien (KGF) and Taucher Knoth was awarded one of several alternative bids for the expansion of the Finkenwerder large ship waiting area. The berths are provided for the ships as waiting and emergency berths. In particular, the ships that can only sail on the Elbe in a given time window with large draughts depending on the tide are dependent on these berths. The complexity of the tender lay, among other things, in the fact that the complete draft planning, the bill of quantities as well as the statics had to be produced (Design & Build).

**The full extension includes:**

- Production of 6 new mooring dolphins & 8 new mooring dolphins using the drilling method
- Upgrading of the equipment of existing mooring and stiffened mooring dolphins
- Measures for the absorption of traction forces from springlines for ships larger than 400m
- Partial renovation corrosion protection at existing dolphins
- Elimination of defects found during building inspection

**Dismantling:**

- Dolphin berth A
- Floodlight system berth A
- Optional dismantling of the dolphin 121
- Dolphins 1C



**Contract Value**  
~15,50 € Mio

**Executed by:**  
F+Z Baugesellschaft  
(ZNL der Hecker Bau GmbH & Co. KG)  
(TGF der Arbeitsgemeinschaft)

**Employer:**  
HPA Hamburg Port Authority AöR

**Construction Period:**  
Nov. 2018 - End of October 2019

**Construction site:**  
Elbe vor Finkenwerder

**Specifications / Main Quantities:**  
6 new dolphins Ø2000 mm  
8 new mooring dolphins Ø2300 mm  
1 stiffened mooring dolphin  
Demolition works  
Technical processing  
Foundation Works  
Steel construction / corrosion protection  
Equipment  
Explosive ordnance exploration