

Dry Dock March 2010

Main Contractor

Our client required a new dock to launch new windfarm work boats and and retrieve other vessels for repair inside their enclosed workshop accessed by their existing overhead gantry cranes. Our client initially required a wet tidal dock with an average high tide depth of 1.7m however, during the build our client wished to turn the wet dock into a dry dock maintaining the 1.7m of water when flooded at high water. G T Rochester Plant Ltd installed the piled cofferdam, dugout existing slipway and cofferdam lowered the existing tie rods to 400mm below Average low spring tide & lowered existing tie rod wall concreted a dock sill and dock bottom installed guides and housing sill for dry dock gate and installed all the surrounding concrete.

The client supplied Dry dock lock gate, steel capping beam and handrailing

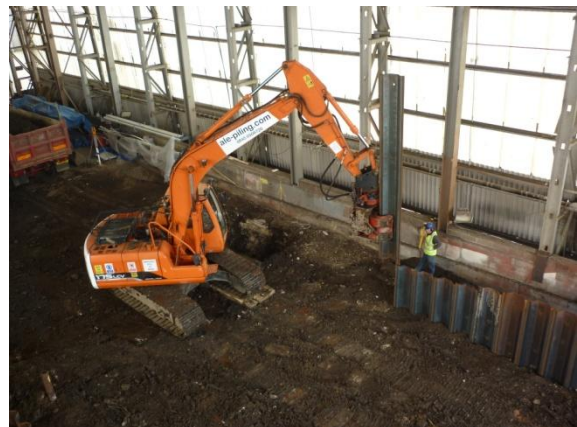
All Works was completed in 7weeks



Completed mini dry dock with 1st vessel to be launched



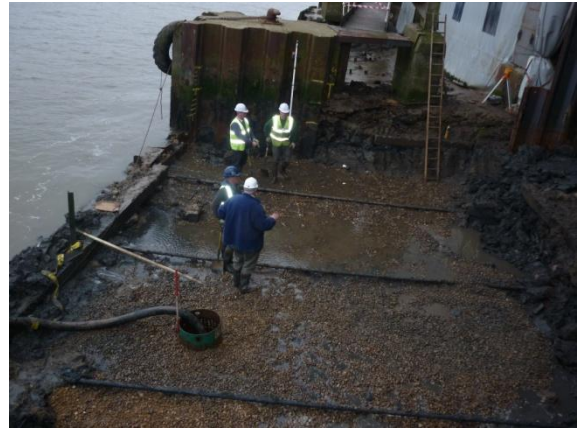
Installing sheet piled cofferdam wall



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Breaking out existing concrete slip at low water



Low water winning the bottom of the apron in a 50 min tide window



Installing concrete dock sill 300mm below Average spring low water



Concrete bays for dry dock being installed



Completed concrete inside dock with cofferdam wall still in place



Removal of cofferdam wall



Lowering of the top of the existing tie rod wall



Sandbag wall being topped just after low water



Dry dock fished with gate, shown in the foreground, ready to be lifted into



Dry dock gate in position