

Dry Dock Bearing Piles October 2009

Main contractor

Due to the increase in size of ships being built the floor to this dry dock started to fail, under the dead weight transmitted through the keels of the vessels, The existing horizontal 12"x12" greenheart bearing beams had snapped & buckled to form a 'W' shape. G T Rochester plant Ltd installed 12no 13m x 325mm bottom driven bearing piles tremied with concrete along the keel line. The client removed the existing timberwork then after the piles were installed they installed a solid bearing beam and reinstated the hardwood timber deck to the bottom of the dry dock.



GTRP with client on initial inspection



Snapped 12"x12" horizontal bearing beams



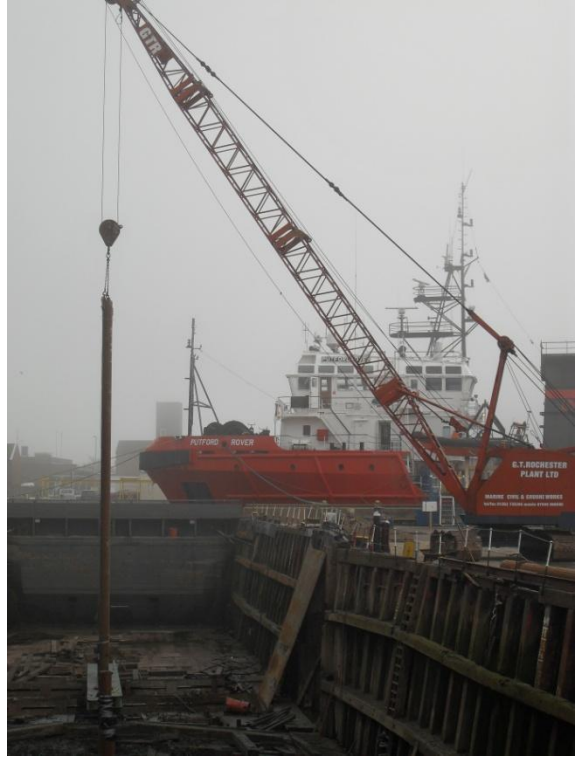
Area ready to install new bearing piles



Installed bearing piles



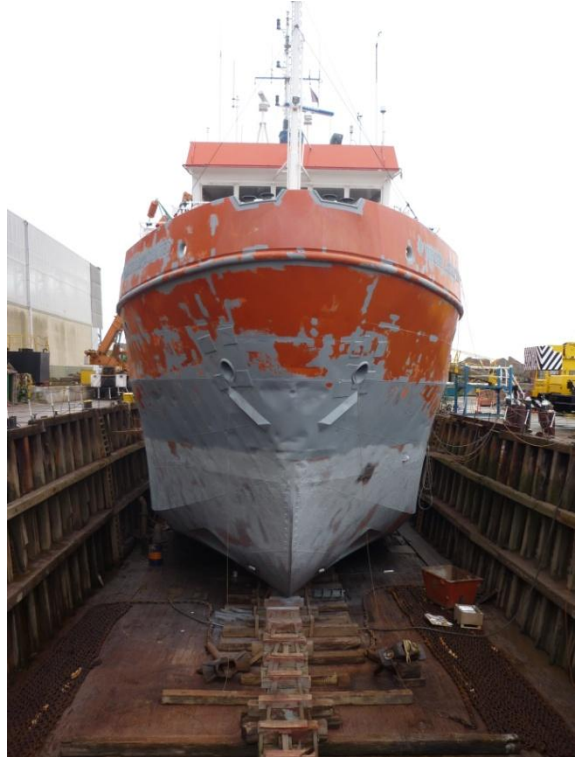
Installed bearing piles



Installing pile into pile gates



Treming concrete using our 2m³ skip



Finished and in use a 1300 ton vessel is the 1st vessel in dry dock after repair