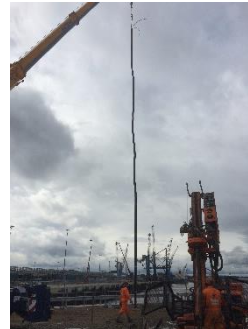


Port of Tyne



Ground Anchors & Rotary Piles
Mooring Bollards

www.van-elle.co.uk
0845 630 8993



Client
Port of Tyne

Main Contractor
Esh Group

Solution
880mmØ Bored Piles
10 Strand Anchors

Plant Used
Casagrande C6-XP

Duration
9 weeks

Year
2017

Van Elle were selected by the ESH Group to undertake installation works on the Port of Tyne. This was part of an improvement scheme aiming to enable the docking of a large ship. Two specific locations required piles & strand anchors to create necessary mooring bollards.

Firstly, Van Elle installed 4No. 880mmØ rotary bored cased piles with full depth reinforcement cages to 16 metres deep, with a 3 to 5 metre rock socket. This took about 1 Week to complete.

Our Casagrande C6-XP machine was then used to drill 2No. 30m long 10 strand anchors with a safe working load of 1500kN.

240mm boreholes were drilled with a 'Superjaws' overburden drilling system. Throughout the installation, Van Elle had to overcome tidal water flow and pressures within the boreholes. Drilling was carried out using a DTH Hammer and rotary techniques. These works took approximately 2 Weeks.

