

## GROUTING OF MONOPILES TRANSITION PIECES: 116 PILES, UNITED KINGDOM

Core provided grouting services as part of the installation of the bolted flange monopile – TP foundations for an offshore wind farm.

### OVERVIEW

The grout was installed in order to provide impact and corrosion protection to the foundations.

Core used a high capacity continuous jet mixing unit to ensure consistent grout quality and speedy operations.

### EQUIPMENT

- High capacity continuous jet mixer
- Offshore silos
- Inhibitor dosing system.

### SCOPE OF WORK

- 116 piles
- 4000 tonnes of material
- Water depth 19 metres.

### OPERATIONS

- Ordinary Portland cement based grout was used on the project
- A corrosion inhibiting additive was added to the grout during mixing
- Grouting was carried out from the main foundation installation vessel

- Grout quality was continuously monitored during each operation
- Grout pumping was completed on average in 1 hour 15 mins
- Associated technical support and project management was provided by Core.



PHOTO: (Above) Core deployment of monopiles grouting from vessel  
(Below) Monopiles in situ

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the main foundation  
installation vessel.