



TRITON KNOLL OFFSHORE WINDFARM

Aug 2019

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SCOPE OF WORKS 8no. 600mm diameter piles, 15m lengths

EQUIPMENT Soilmec SF50

CLIENT Triton Knoll

CONTRACTOR Siemens

CONSTRUCTION PERIOD 12th August – 20th August 2019



INSTALLING CFA PILES FOR A GAS MAIN BRIDGE.

Aarsleff Ground Engineering has recently completed piling for a new substation as part of the Triton Knoll Offshore windfarm project in Bicker Fen, Boston.

The new substation, which is connected to the windfarm via 40 miles of underground cable to the Lincolnshire coast, will convert the generated electricity from the windfarm for the National Grid.

Once completed, the windfarm will be capable of providing clean and sustainable energy to over 800,000 UK homes.

Aarsleff Ground Engineering previously installed over 1500 No. 200mm and 250mm square precast concrete piles in April for the foundations of the substation buildings and equipment.

Subsequently, Siemens awarded Aarsleff the piling works for a gas main bridge that crossed the 3.8km access road.

The project saw Aarsleff install 8 no. 600mm diameter CFA piles of 15m lengths, which were located either side of the gas main.

CFA piles were specified due to minimal vibrations it creates as the piles are being

installed. Siemens then laid a concrete slab to create a bridge over the gas main and prevent any future damage from service vehicles and machinery driving down the access road.

Aarsleff's senior contracts engineer

“It has been a pleasure to work with Siemens again at the Triton Knoll Substation. This project was also the debut of our new Soilmec SF50 piling rig which allows us to install CFA piles up to 9m lengths.”

Aarsleff Ground Engineering Ltd is the UK trading arm of Danish contracting giant, Per Aarsleff A/S. Incorporated in the UK in 1991, Aarsleff Ground Engineering is one of the UK's leading ground engineering specialist contractors, with piling, geotechnical, and retaining walls divisions. An in-house design team means Aarsleff can offer you a full package of design and installation and we actively promote early consultation for value-engineering to give our clients the best service, design quality, safety factor, and value.

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