

East Anglia ONE Offshore Wind Farm

Preparing clean energy assets for the harshest environments

East Anglia ONE is a large wind farm located 43km offshore of Suffolk in the UK. With an installed capacity of 714 megawatts the wind farm provides clean energy for 630,000 British homes.

In 2018 and 2019 over 50 highly-skilled KAEFER UK & Ireland personnel worked with customer Harland & Wolff to provide surface protection on 12 jacket structures bound for East Anglia ONE in the North Sea.

KAEFER provided scaffold and access solutions for the project, alongside blasting, painting and quality assurance services for Harland & Wolff, on behalf of end client ScottishPower Renewables. Over 50 KAEFER employees worked on the project in Belfast for approximately 18 months, with a further 30+ KAEFER employees in Vlissingen, Holland for 3 months.

Our mission is clear: to be the most reliable and efficient provider of technical industrial services.

130,000 Man-hours worked

30+ KAEFER UK & Ireland employees were deployed to Vlissingen, Holland for three months

630,000 British homes now receiving clean energy from the East Anglia ONE wind farm

OWNER

SCOTTISHPOWER
RENEWABLES

CLIENT

HARLAND & WOLFF

LOCATION

BELFAST, NORTHERN IRELAND
VLISSINGEN, HOLLAND

SERVICES



Access
Solutions



Scaffold
Design



Surface
Protection





Project Information

During the project low level containments were built individually around the jacket structure joints whilst the jacket was laid horizontal in dry dock. These scaffolds were birdcages, pre-designed to be erected around the legs and bracings whilst laid flat. Shrink-wrap sheeting was installed to limit weather delays.

High level containments were designed to be reusable multiple times. To achieve this, these were erected on the dockside, craned into position at 65m and hung from the top piece to access join-up welding of B and C-legs underneath. These were pre-sheeted on three elevations and roof with shrink-wrap sheeting. The final fourth elevation was sheeted in once the hanger was secured in place at 65m.

A-leg scaffolds were different, these were all erected and dismantled entirely at height. This scaffold was erected from structural beams at the 50m mark to the underside of the top piece where it was then hung from pre-installed Pad Eyes to enable welding of the join up of A leg to the top piece and the boat landing platform and ladder.

The final structure provided were crane-able walkways, designed to be erected up to 15m long. These enabled access from jacket to jacket / jacket leg to jacket leg eliminating lost time through having to go down one jacket to go up another.



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