



CLIENT
Ørsted



OUR
VALUES



Safety



Integrity



Sustainability



Performance



Collaboration



Innovation

Hornsea Offshore Wind Projects

Project at a glance

Full project information overleaf

Seaway7 secured contracts on all three projects within Ørsted's record-breaking Hornsea zone - a hat-trick that underscores our role as a trusted partner in building the world's largest offshore wind farms in the UK North Sea.

Hornsea 1: Transport and installation (T&I) of 89 inter-array cables (33kV), totalling approximately 170km - supporting the world's first offshore wind farm to exceed 1GW capacity.

Hornsea 2: T&I of 165 inter-array cables (66kV), totalling approximately 382km, powering what became the world's largest offshore wind farm at the time of commissioning.

Hornsea 3: Contracted for T&I 197 inter-array cables (66kV). Offshore execution is underway and when completed, it will surpass its predecessors and become the world's largest offshore wind farm with a planned capacity of 2.9GW.

Located around 90–160 km off the east coast of England, in water depths of approximately 25 to 75 metres, the projects demonstrate Seaway7's ability to adapt and deliver complex inter-array cable scopes consistently and at scale, in varying offshore conditions.

Across all three projects, Seaway7 has remained a steadfast partner – with proven capability earning us repeat awards that reflect client confidence in our performance. For the current phase, delivery is being led from our Aberdeen office, building on experience gained across the earlier Hornsea projects, and supported by strong local engagement within the supply chain.

Once complete, we will have installed over 1,000 km of inter-array cables across the Hornsea Zone, supporting enough clean energy to power more than 5.4 million UK homes.



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Hornsea 1 and 2

Project

Hornsea 1 and 2

Location

90 -120 km off the coast of Yorkshire, North Sea UK sector

Water depth

Up to 44m

Project Type

T&I

Date Awarded

November 2016
July 2019

Completion Date

September 2019
August 2022

Main Vessels

Seaway Aimery
Seaway Moxie
Simar Esperanca

Scope of Work

Across Hornsea 1 and 2, Seaway7 was responsible for the T&I of over 550km of inter-array cables.

- 89 x 33kV for Hornsea 1
- 165 x 66kV for Hornsea 2

Scope across both projects included:

- Project management and engineering
- T&I 254 inter-array cables
- T&I Cable Protection System (CPS)
- Pre-installation cable route surveys
- Boulder clearance and pre-lay grapnel run
- Post-lay cable burial operations: mechanical and jet trenching.

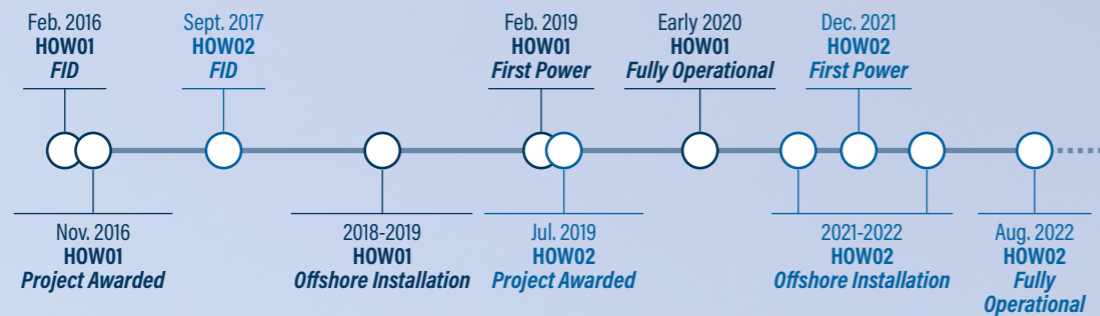
Highlights

- First project for Ørsted
- Strong performance lead to repeat business
- Early adopter of mechanical trenching technology
- Completed cable installation ahead of schedule.

Component Manufacturer

- Cables: JDR and Prysmian.
- CPS: Seaproof and Tekmar Energy.

Project Milestones



Hornsea 3 - under construction

Project

Hornsea 3

Location

120-160 km off the coast of Yorkshire and Norfolk, North Sea, UK sector

Water depth

Up to 73m

Project Type

T&I

Date Awarded

October 2024

Main Vessels

Seaway Phoenix
Seaway Moxie

Scope of Work

Seaway7 is responsible for the T&I of approximately 500km inter-array cables.

- 197x 66kV for Hornsea 3

The scope is similar to the first two projects with, the addition of:

- Removal of out-of-service cables
- Crossing construction.

Offshore execution commenced December 2025, with project completion expected by 2027.

Highlights

Commencement of offshore operations within 14 months of contract award.

Component Manufacturer

- Cables Hellenic and Prysmian.
- CPS: Balmoral.

