



Moray West and Nexans Offshore Export Cable Meet the Buyer

Offshore Export Cable Construction Works

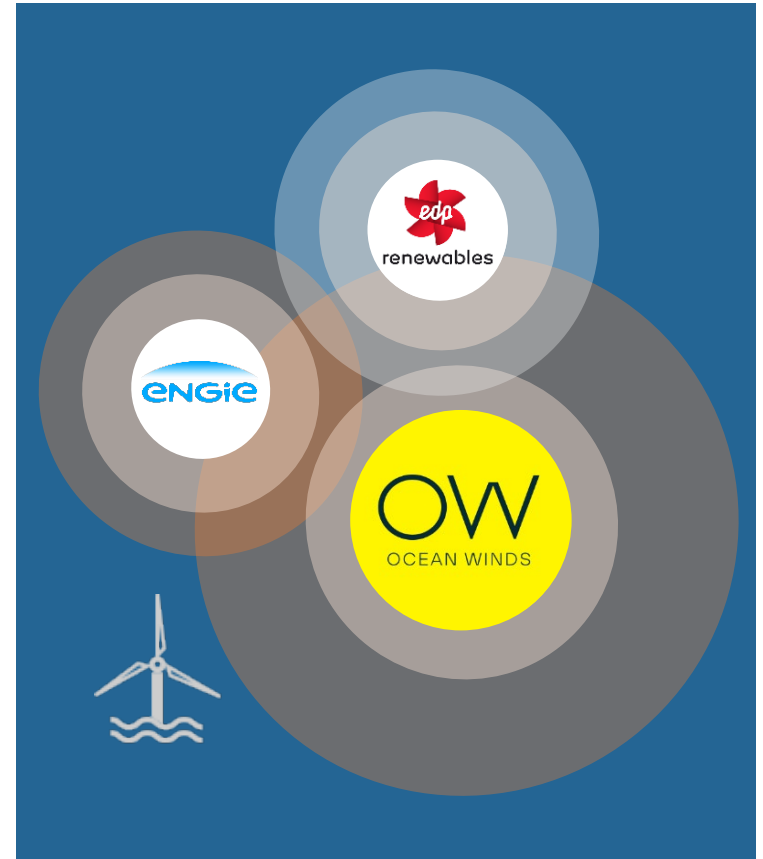
23rd August 2022

Who we are?

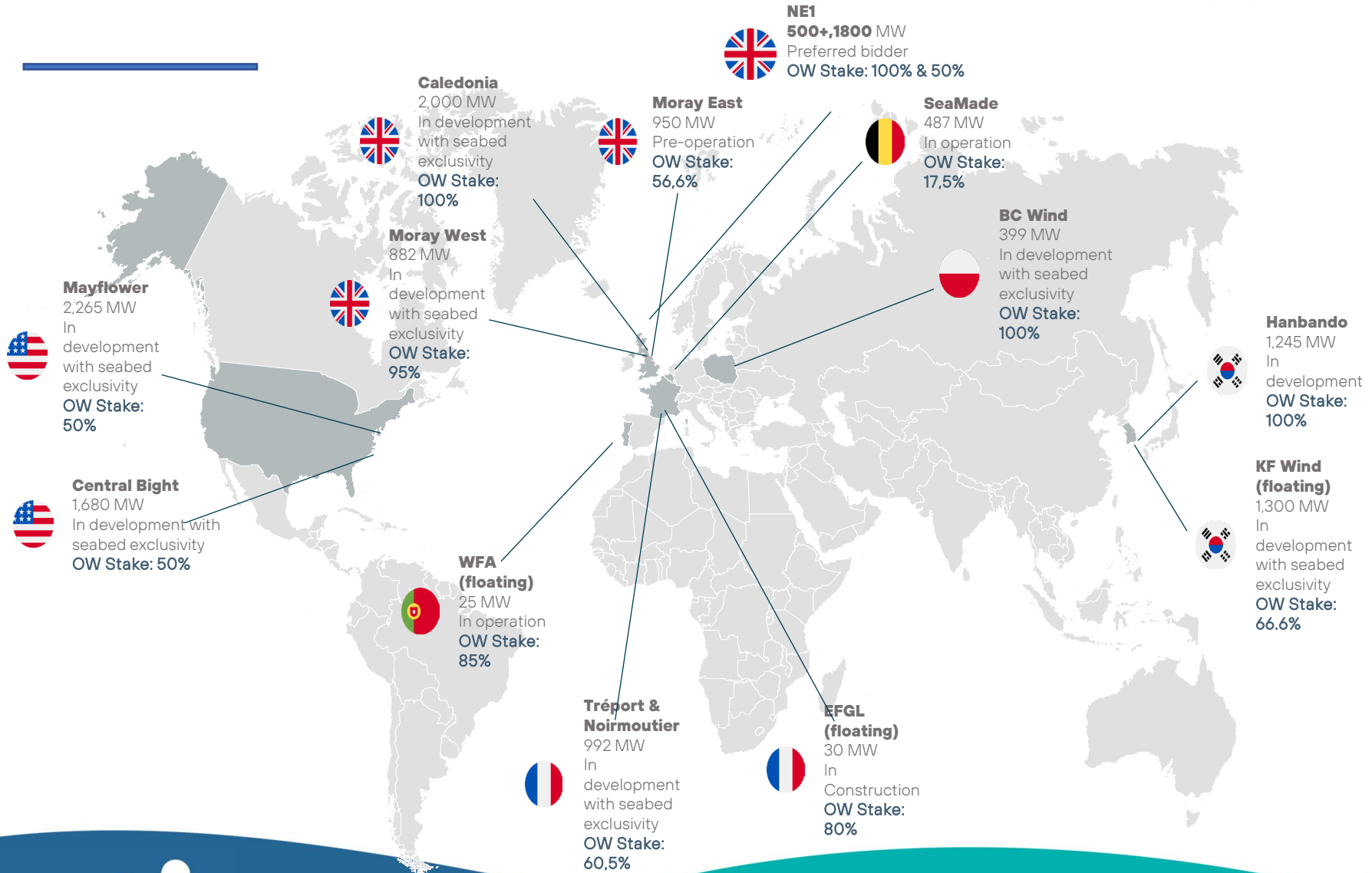
Ocean Winds (OW) is the result of a joint venture between two of the biggest players in energy:

- Engie, French multinational energy and services company and global leader of zero-carbon transition and
- EDPR, global leader in the renewable energy sector and the world's fourth-largest wind energy producer

Born to lead the Offshore Wind Energy Business with a 14.5GW portfolio.



OW's Global Presence

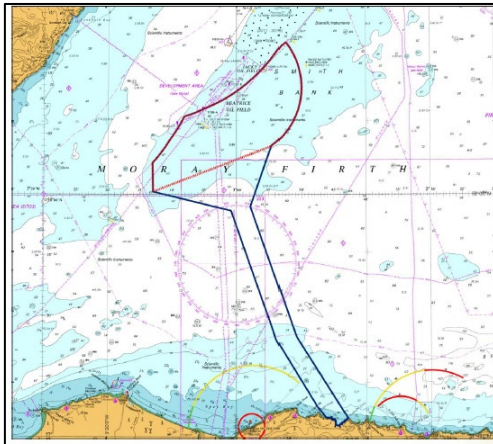




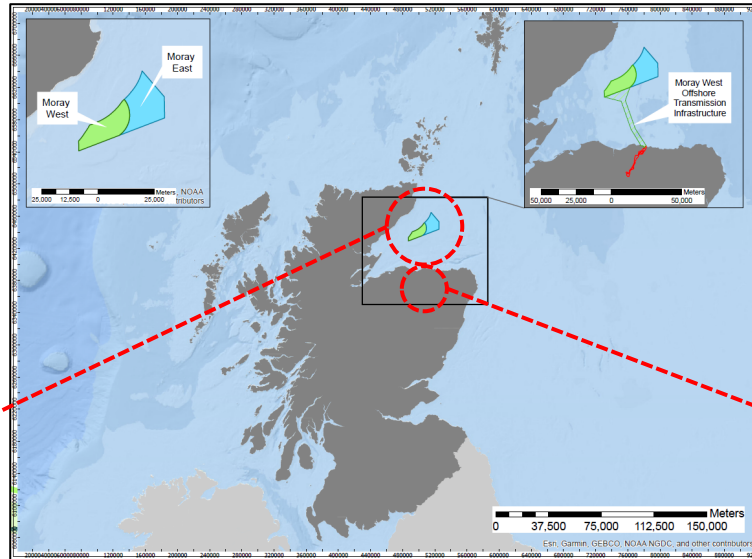
Moray West Project Summary

Moray West Introduction

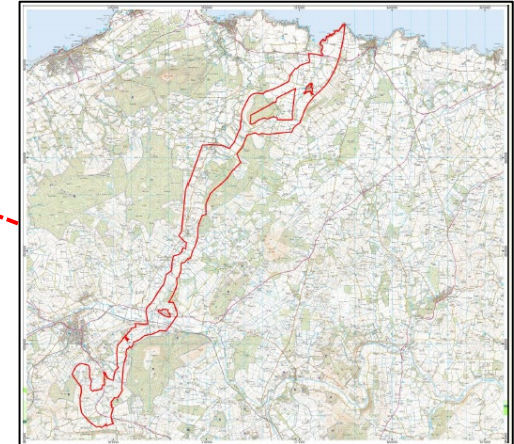
Project Overview



- 225km² offshore wind farm site area. 22.5km from nearest point of shore.
- Offshore wind farm site is in 35m-54m water depths.
- Offshore export cable route of approximately 50km.



- Key project in Ocean Winds (EDPR/ENGIE joint venture) portfolio.
- Western part of the Moray Firth UK “Round 3” zone, awarded in 2010.
- Consents secured 2019:
- CfD award in AR4
- Corporate PPA
- Approaching Financial Close



- Grid connection capacity of 860MW.
- Onshore cable route of approximately 30km in total (220kV and 400kV sections).
- 400kV grid connection at Blackhillock, the largest substation in the UK.

Moray West Programme

- March 2022 – Start construction onshore
- Winter 2022 – Start landfall HDD drilling / offshore pre-construction surveys
- April 2023 – Boulder Clearance
- May 2023 – Pre Lay Grapnel Run (PLGR)
- Summer 2023 - Start cable installation offshore
- 2024 – Commissioning and first power
- 2025 – Final handover to operations team



Moray West Direct Procurement

- UXO Surveys (some ongoing)
- UXO Clearance
- Boulder and Debris Clearance (Base Case)
- Differential Temperature Sensing (DTS)
- Guard Vessels (Base Case)
- Marine Communications
- Spare Cable Storage (IAC and OEC)
- Specialist Engineering Services
- O&M services



Procurement process

Procurement Process

Overview by Project Phase

- Development Phase – surveys, consenting, engineering
 - Directly contracted by Moray West
- Construction Phase
 - ~8 main Tier 1 contracts,
 - Siemens Gamesa for WTG
 - Nexans export cables (onshore and offshore)
 - Siemens Energy (& Lemants) - substations
 - In addition, the Construction Management Services will be contracted directly over next 12 months. Plus limited client support services.
 - Testing use of OGA Energy Pathfinder
<https://www.ogaauthority.co.uk/supply-chain/energy-pathfinder/>
- Operations & Maintenance Phase – procurement likely to start in late 2022



Links with Supply Chain

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- DeepWind role and other UK clusters
 - Planned activity through DeepWind
 - O&M sub group
 - Tier 1 engagement including further Meet the Buyer events including offshore T&I support and O&M.
 - Supplier databases
 - Project website www.moraywest.com/supply-chain/supply-chain-registration
 - DeepWind membership
 - Funding & Support - Offshore Wind Growth Partnership funding <https://owgp.org.uk/new-opportunities-launched/> (CES, HIE, BEIS also have options)
 - Fit4Offshore programme



ScotWind- and supply chain opportunities

An early 'fixed' project

- NE1 win – 2 windfarms to be named
- NE4 win – 'Caledonia' OWF
- Project team being developed
- The race is on - development speed
- International / export opportunities for trusted suppliers





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