

**BUCHAN
OFFSHORE
WIND**

DeepWind Presentation

17 November 2022



Section 1

who we are



about us

Floating Energy Alliance is the developer of Buchan Offshore Wind, a major floating wind project sited of the northeast coast of Scotland.

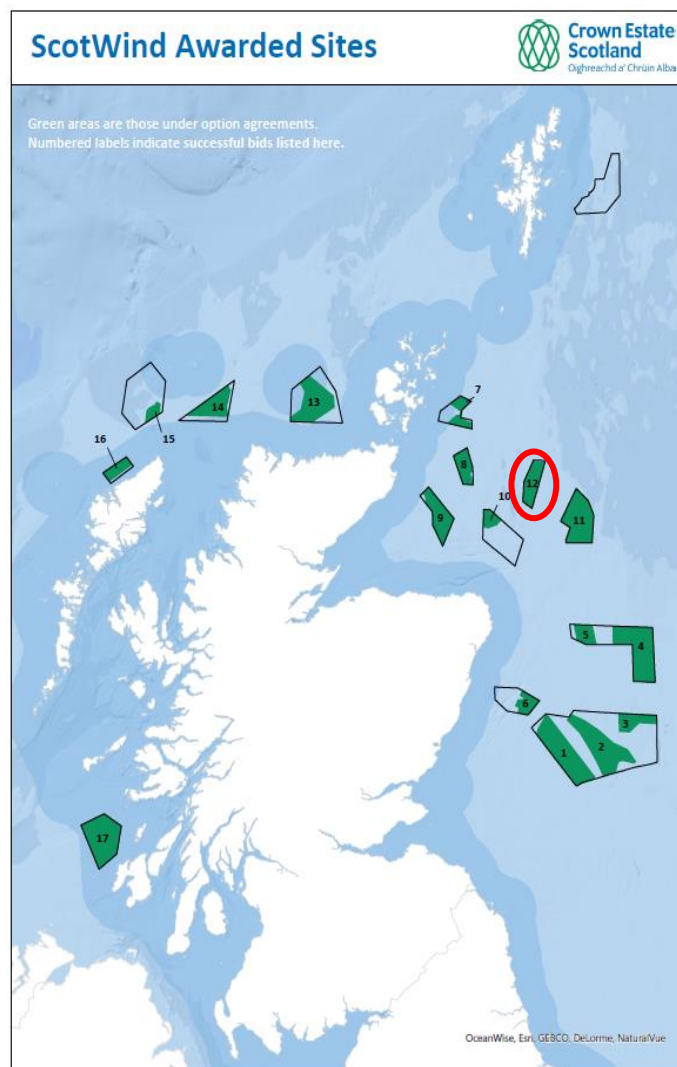
Floating Energy Alliance is a partnership of three leading European energy businesses, together we offer a unique breadth and depth of experience and expertise in the development of floating offshore wind.

- BayWa r.e. — A global renewable energy business with UK offices in Glasgow and Edinburgh.
- Elicio — An experienced Belgian offshore wind developer, owner and operator.
- BW Ideol — A proven floating technology leader and international floating wind project co-developer.

The alliance brings together three companies with highly significant, relevant and complementary expertise, which has the potential to accelerate the development of floating wind and bring significant levels of employment to Scotland through its commitment to local manufacturing of the wind turbines' concrete foundations.



background



May 2020	Partnership created to bid in the ScotWind leasing round
July 2021	Final bid submitted
January 2022	Secured the rights to develop the NE8 area
	Floating Energy Alliance SPV set-up
April 2022	Signed Option to Lease with Crown Estate Scotland (CES)
May 2022	FEA organisation set-up
August 2022	Glasgow office established

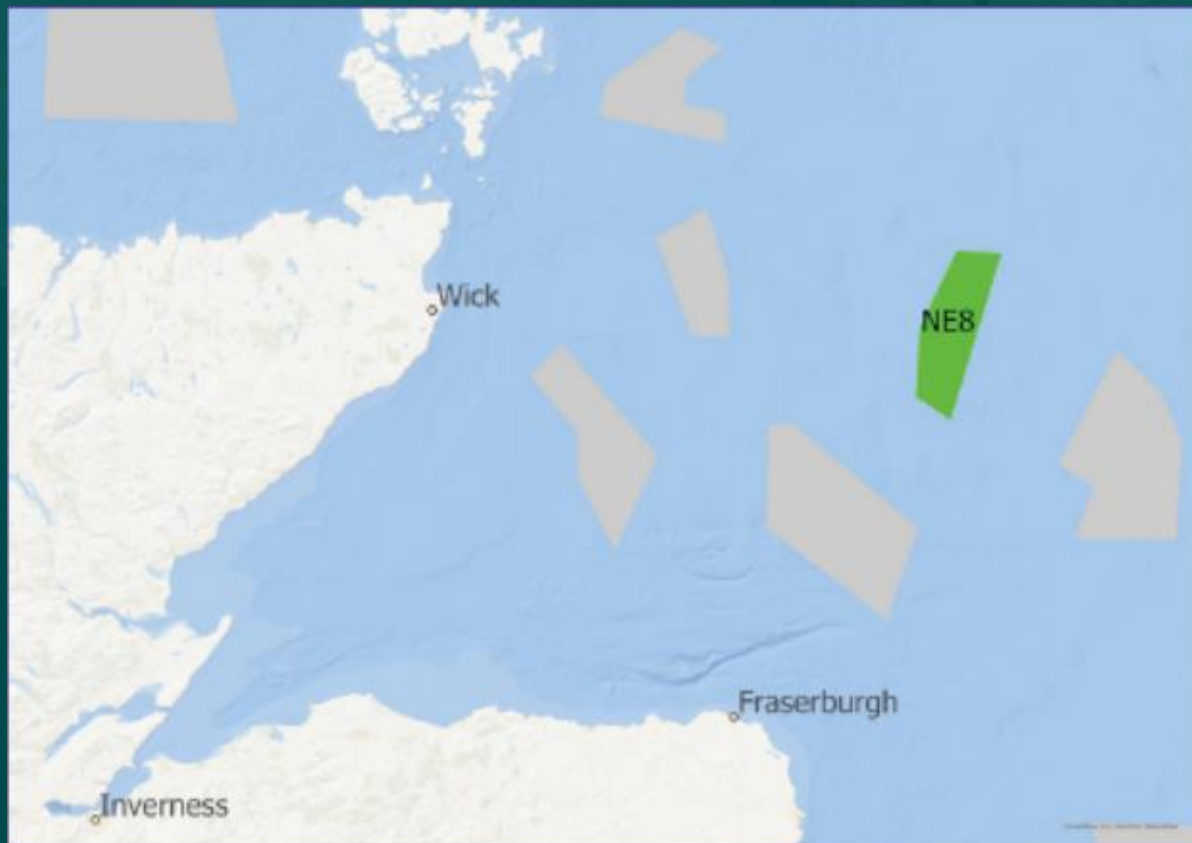


Section 2

the project



location

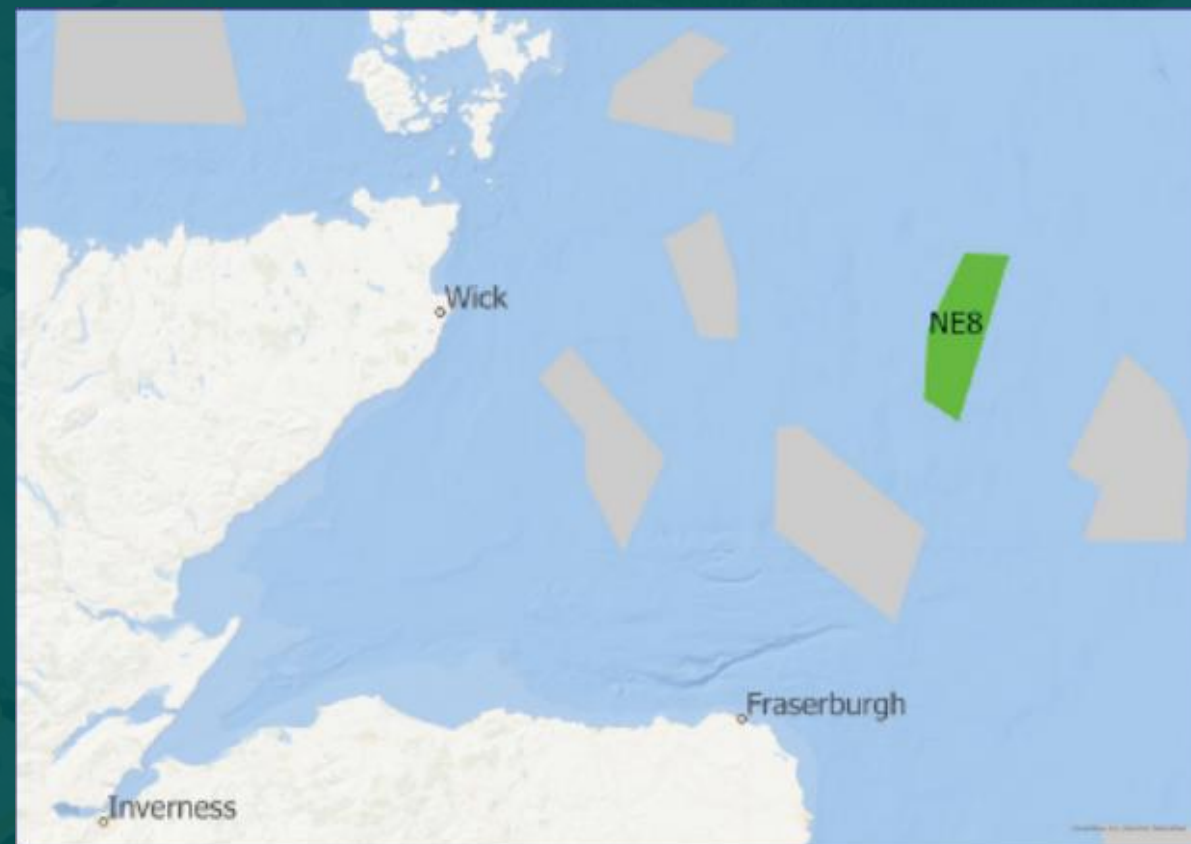


- | NE8, now known as Buchan
- | 75km NE of Fraserburgh
- | 100m water depth favours floating wind
- | Impact to birds considered low (Sectoral Marine Plan)



project details

- 960 MW
- Approx 60 floating turbines
- Cable landfall expected in NE
- Cable type and location to be confirmed early 2023
- Grid connection date currently contracted 2033. Dependent on HND2 conclusions.



technology

- BW Ideol's patented Damping Pool® technology
- Design is tried and tested, ready to deploy
- Square shaped ring hull, built in concrete
- Concrete selected over steel - more local employment and lower carbon footprint
- Simplified construction, shallow draft



development plan

- Ornithology and Marine Mammal Survey commenced 2022
- Floating Lidar being deployed at site end of month
- Site Investigation surveys (Geophys, Geotech) commencing April 2023
- EIA scoping commencing summer 2023
- Offshore Consent Submission 2025
- Construction programme to be defined once grid is confirmed



Section 3

Supply chain opportunities



Concrete floating foundation

- Use of local ports, yards and infrastructure
- Serial production of approx. 60 floating platforms
- Significant labour required (several shifts)
- Concrete batching plants, aggregate supply
- Rebar supply and pre-fabrication of cages
- Storage and handling of WTG components
- Onshore crane for quayside installation
- Marshalling and installation of mooring elements





Supply Chain Commitments

- Supply Chain Development Statement outlines commitment to Scotland
- Envisage £765M invested in Scotland's Manufacturing, £76M Installation, £545M Operations
- Supporting ports and harbours
 - Letter of Support for Fraserburgh Masterplan
 - Ardersier – BW Ideol feasibility study ongoing
- MoU with Opportunity Cromarty Firth initiative (Green Freeport)
- Sponsor UHI STEM initiative and PowerHouse (Opportunity Cromarty Firth)
- Supply Chain Fund focused on developing required skills in Scotland



Questions?

