



**MUIR MHÒR**  
OFFSHORE WIND FARM

A joint venture between Fred. Olsen Seawind & Vattenfall

## NEWSLETTER 2 - AUTUMN 2023

# Muir Mhòr Offshore Wind Farm

Muir Mhòr is a floating offshore wind farm located off the east coast of Scotland.

A joint venture between Fred. Olsen Seawind and Vattenfall, the project will put people first, and collaborate with industry, communities and the supply chain to deliver tangible benefits for the local and national economy.

Muir Mhòr Offshore Wind Farm brings together decades of Scottish industry expertise to develop a highly

innovative renewable energy project that will lead the energy transition, and put the UK on track to hit its target to generate 5GW from floating offshore wind by 2030.

Fred. Olsen Seawind and Vattenfall both have an established track record in Scotland. Working together, we are committed to securing Scotland's energy future and green economy.

## — ABOUT THE PROJECT —

Having been awarded seabed rights in the Crown Estate Scotland ScotWind auction in January 2022, ecological and environmental survey work has been underway both onshore and offshore, which has been vital to informing our early-stage proposals.

The wind farm will be located on the east coast of Scotland approximately 63 km from the coast of Peterhead. Once operational the wind farm will be able to generate up to 1 Gigawatt of power, enough to provide electricity for up to 850,000 UK homes annually.

The Project's deep-water conditions are well-suited to floating turbine technology, and its location and size allow for efficient project delivery, utilising nearby ports and mobilising the strong marine supply chain on the east coast of Scotland.

The experienced team leading the Muir Mhòr Offshore Wind Farm has expertise across project development, from site development, engineering, grid, and consents, to supply chain and stakeholder management.

Once consented and constructed, Muir Mhòr Offshore Wind Farm will be among the world's first commercially-viable floating wind projects.



## KEY INFORMATION

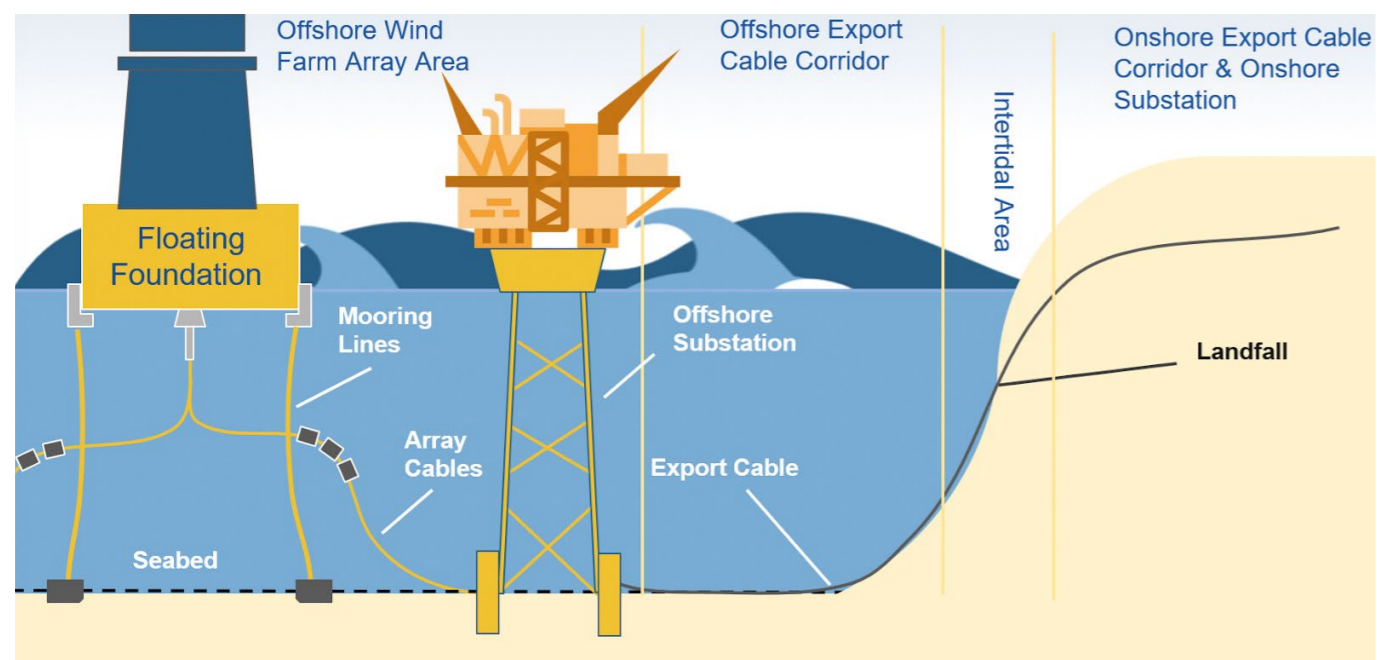
### The Muir Mhòr Project is split into four distinct areas:

**Array Area:** This is the offshore energy generation site, where up to 67 wind turbines will be located. Our key objective in determining the turbine layout will be to ensure the most effective use of the available wind resource, while ensuring any impacts on the marine environment and other marine users are minimised.

**Offshore Export Cable Corridor:** This is the offshore area containing the export cables which connect the Array Area to the grid connection point on the Scottish mainland. Up to three offshore export cables will be situated in this area, all of which will be buried along most of their length, with additional protection added if required.

**Intertidal Area:** This is the area between where the export cable transitions towards 'landfall' and the onshore infrastructure. The landfall site is where the offshore electricity export cables from the offshore substation arrive on land. The export cables will be buried under the seabed and will remain underground as they come onshore.

**Onshore Export Cable Corridor & Onshore Substation:** All onshore cables will be buried underground and will connect to the new onshore substation.



## THE PROJECT SO FAR

The Muir Mhòr Project is in the **pre-application** stage.

Offshore and onshore **scoping exercises** have recently been undertaken, resulting in the submission of an offshore scoping Report to the Marine Directorate, and a separate onshore scoping report to Aberdeenshire Council. The objective is to obtain expert opinion on the required focus and content of the subsequent Environmental Impact Assessments.

Copies of the Offshore and Onshore scoping reports can be accessed in the document library on our project website: [www.muirmhor.co.uk](http://www.muirmhor.co.uk).

An **Environmental Impact Assessment Report (EIAR)** is required to support applications for offshore and onshore consents, licences and permissions. Two separate EIARs will be prepared for the Project, to cover the respective onshore and offshore elements of the project.

The purpose of the EIA is to identify the potential impacts that a project could have on the environment, in addition to cumulative effects with other relevant projects and activities, and measures to reduce or remove such impacts (known as 'mitigation measures').

Further to our first round of public consultation events, the onshore and offshore EIA process will continue with extensive surveys, including:

### Offshore

- Physical marine environment
- Biological marine environment
- Socio economic activity in the marine environment - including commercial fisheries, shipping and navigation, and military and civil aviation

### Onshore

- Ecology and birds
- Hydrology, hydrogeology, coastal processes and peat
- Landscape and visual amenity
- Archaeology and cultural heritage
- Noise and vibration
- Traffic and transport
- Socioeconomics, tourism and recreation
- Soil, agriculture and land use
- Air quality

## OUR COMMITMENTS

### Community

Consultation and engagement with the local community is a key element of our approach to developing the project. We are eager to work closely with local people to hear your views on the Muir Mhòr project, the energy transition within the North East of Scotland, and priorities for the associated employment and skills benefits that the project will bring to the area.

Specific initiatives for Muir Mhòr Offshore Wind Farm will be developed in tandem with local people, and will be bespoke to the priorities of the local community.

Having held our first round of public consultation events in November 2023 to hear the community's feedback on our initial proposals, we will take time to analyse feedback and amend our proposal before holding a second round of exhibitions in spring 2024.

### Education and Skills

Muir Mhòr Offshore Wind Farm is supporting education and skills across all learning stages and in workforce development.

Our **Future Leaders Fund** with UHI will support the next generation of civil and energy engineers, providing £200,000 over 20 years. Our partnership with **UHI** is also supporting the wider student body move into the workforce through mentoring programmes.

Our team are trained STEM Ambassadors, and are supporting **Developing the Young Workforce** Scotland STEM initiatives.

In 2022 and 2023 we have sponsored **Offshore Wind 4 Kids** demonstrations on Aberdeen beach, engaging with the local community about the vast opportunities in Scotland's offshore wind and renewable energy sector.



### Supply Chain

ScotWind represents a major investment in Scotland's green energy future. The Muir Mhòr project is committed to a collaborative, transparent and innovative approach towards the development of a world-class Scottish supply chain, and cultivating future industry leaders.

We are committed to spending over **£200 million** in Scotland as part of the project's supply chain development commitments. More information can be found in our dedicated supply chain area: [muirmhor.co.uk/our-supply-chain](http://muirmhor.co.uk/our-supply-chain).

We are in the process of establishing our supplier registration process and a series of supplier events, which will be advertised on our project website in due course.

Please contact us at [supplychain@muirmhor.co.uk](mailto:supplychain@muirmhor.co.uk) to register your interest in supply chain opportunities.



Offshore Wind 4 Kids demonstration, Aberdeen Beach, June 2022.

## INDICATIVE PROJECT TIMELINE



### Find out more

You can find detailed information on the proposed onshore and offshore infrastructure in our virtual exhibition room, which can be accessed at: [www.muirmhor.co.uk](http://www.muirmhor.co.uk).

You can contact our team to provide your feedback and ask questions about the proposal at: [info@muirmhor.co.uk](mailto:info@muirmhor.co.uk).

## Fred. Olsen Seawind

Fred. Olsen Seawind AS is an established offshore wind developer building on Fred. Olsen Renewables' 25 years wind track record, market presence and portfolio.

In 2021, the Fred. Olsen Renewables offshore wind assets and activity was organised within a distinct corporate structure in Fred. Olsen Seawind AS, and is 100% controlled by Bonheur ASA.

Utilising the extensive experience in Scotland gained through over 25 years of development, construction and operation of onshore wind in the region, Fred. Olsen Seawind is committed to progressing offshore wind projects in Scotland.

Fred. Olsen Seawind is active in Ireland, Norway and Scotland and is exploring opportunities in new markets.

## VATTENFALL

Vattenfall is one of Europe's largest producers and retailers of electricity and heat with approximately 20,000 employees.

Vattenfall currently operates more than 1GW of wind energy capacity in the UK. In Scotland our operational wind farms comprise a total generating capacity of 175MW, powering over 130,000 homes. This includes the 96.8MW European Offshore Wind Deployment Centre in Aberdeen Bay which offers the domestic supply chain the chance to test and demonstrate the latest innovations in a real-world environment. Vattenfall has recently finished construction of South Kyle, a 240MW onshore wind project in South West Scotland.

## CONTACT US

The Muir Mhòr Offshore Wind Farm project team is enthusiastic to engage with local residents, community groups and all other interested parties as the project develops.



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