

A4: Pouring a quart into a pint pot: The challenge of consenting the floating offshore wind project pipeline

Chaired by Nancy McLean, Deputy Portfolio Director,
Scotland, BlueFloat Energy | Renantis Partnership



STROMAR
(as part of a consortium with Ørsted)



The logo for BlueFloat Energy, featuring a stylized wave icon to the left of the text "BlueFloat" in a bold font, with "ENERGY" in a smaller font below it.	The logo for Renantis, featuring a stylized wave icon to the left of the text "Renantis" in a bold font.
PARTNERSHIP	

Catarina Rei
Head of Development
Ocean Winds

Floating Offshore Wind Conference

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04 October 2023

Catarina Rei
Head of Development

In Scotland...



Moray East, 950 MW
Operational
First R3 Site Consented in UK



Moray West, 882 MW
In Construction

In Floating...



WindFloat 1, 2 MW
Decommissioned
First Semi-sub Prototype

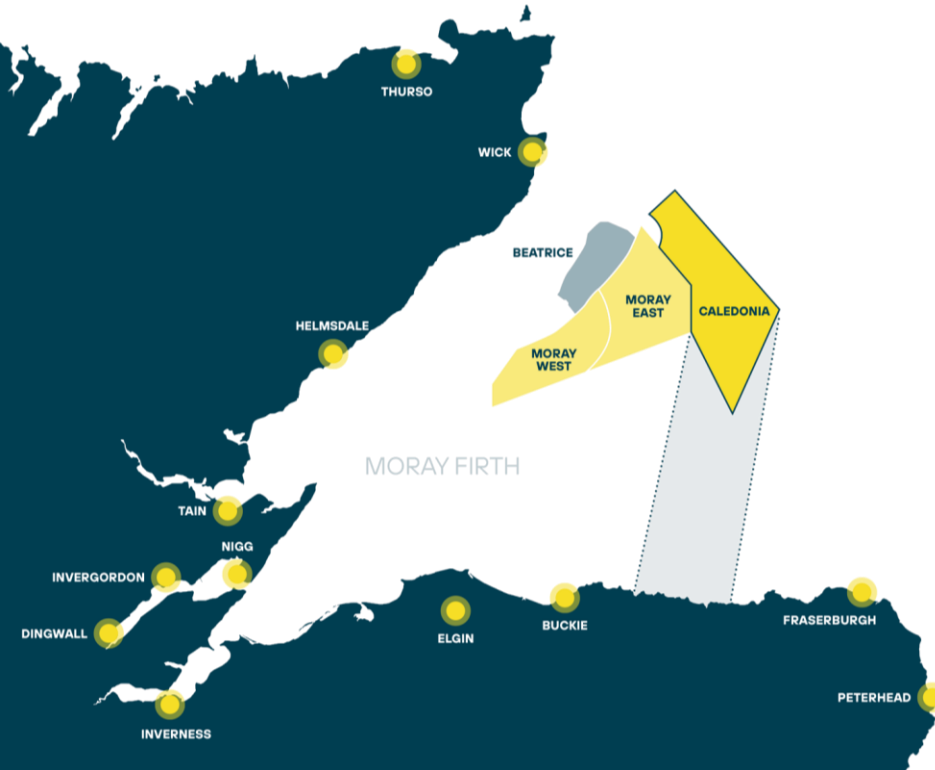
WindFloat Atlantic, 25 MW
Operational
First Semi-submersible OWF



EFGL, 30 MW
In Construction
Ecological R&D due to proximity to MPA

Lessons learnt

- EIA, stakeholder engagement
- Extensive monitoring programmes – enabling knowledge to be applied to future developments (>20 scientific papers)
- Collaboration with Universities/research institutions



Project Overview:

- Will leverage OW's experience and combine fixed and floating technology
- Submission mid-2024
- Grid connection pre-2030

Key challenges:

- Lack of Scottish Offshore Wind policy target/ambition pre and post 2030 to support Scotwind Delivery
- Consenting uncertainties (CIA, HRA/derogation, floating impacts)
- Volatility in UK policy impacting investor confidence
- Resourcing across all Stakeholders

Way forward:

- Supporting Policy Framework and guidance to underpin Offshore Wind Delivery
 - Energy Act update
 - Scottish renewable targets beyond 2030
 - SMP update
 - Derogation guidelines (project and strategic compensation)
 - Marine enhancement guidelines fit for purpose
- Strong Scottish Government Support for 2030, and beyond, grid network investment needs case.
- Floating specific infrastructure – wet storage considerations, port upgrades

Mandy Gloyer
Head of Offshore Wind
Development (Scotland)
ScottishPower Renewables

MarramWind & ChampionWind

MarramWind 

ChampionWind 

75km

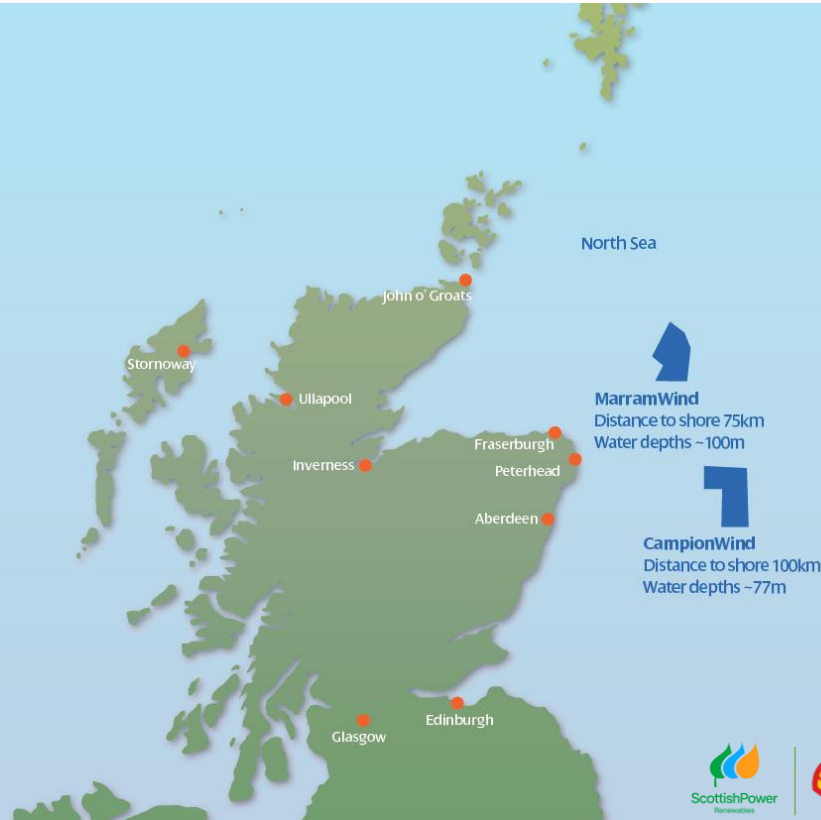
Estimated distance
from shore

111m

Average water depth

3GW

Potential energy
delivery



100km

Estimated distance
from shore

77m

Average water depth

2GW

Potential energy
delivery



Uncertainties drive need to retain options

Consenting challenge



Maturity of floating wind technologies means need to include design envelope options



Particularly in relation to domestic supply chain commitments



A key challenge and risk, uncertainty around grid solutions drives the retention of options both onshore and offshore

Uncertain but significant cumulative picture, both offshore and onshore. A very complex cumulative picture for offshore cable routes into the North East, creating some early challenges around interactions with commercial fisheries. Similarly a complex and congested picture onshore with cable routes and substation locations creating challenges with landowners and local communities

NMP2

Due Summer 2025, but need early understanding of content and clarity on transitional arrangements

IPR

Positive in reviewing 10GW limit but need plan-level derogation that cannot be silent on how to navigate project-level derogations.

OWEIP

Clarity needed on whether Marine Recovery Fund will be relevant for Scottish projects and mechanisms identified if not.

Fisheries

Need for better strategic engagement and guidance/agreement at regional or national level on how to manage industry interactions, including cooperation payments.

Zoe Crutchfield

Marine Directorate - Head of Licensing
Operations Team
The Scottish Government

Erica Knott

Marine Sustainability Manager -
Sustainable Coasts and Seas
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Slido.com
#FloatingWind23
Stream A

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