

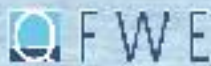
Floating Wind Solutions

The Importance of Proven Quality and Experience over Opportunistic Initiatives

Bruno G. Geschier

BW *ideol*

Organized by



Quest Offshore

FWS

The Marriott Marquis, Houston 1-3 March 2022

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Floating Wind Solutions

Industry status

Norway prepares first giga-scale North Sea wind auction to become 'green industrial giant'

Tender for half of Southern North Sea 1.5GW auctions as Oslo plans to identify

9 February 2022 15:34 GMT UPDATED 15 February 2022 8:12 GMT

By **Bernd Radowitz**

Norway's government is developing an auction to award 1.5GW of capacity in the Southern North Sea 2 (Sørlige) amendments to the country's Marine Energy Act, a landmark tender move forward.

Italy Receives 64 Expressions of Interest to Build Floating Offshore Wind

November 22, 2021, by Adnan Durakovic

Italy's Ministry of Ecological Transition has received 64 Expressions of Interest for the development of floating offshore wind projects off the country's coast.

The Ministry is working at encouraging the development of a new generation of floating offshore wind farms, and the first round of bilateral meetings with the individual companies and groups who submitted their EoIs is coming to an end.

July 29, 2021

BOEM boosts offshore wind leasing in California

by WorkBoat Staff in Wind, News, Government, Offshore

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'Floating wind's breakthrough': renewables industry hails ScotWind as new offshore era

Sector bodies flag implications of massive leasing round for UK and Scottish energy transitions – and, with 15GW capacity awarded in deepwater zones, for the future of the floating wind

17 January 2022 12:35 GMT UPDATED 18 January 2022 8:57 GMT

By **Andrew Lee**

The international renewables industry hailed Scotland's first independent offshore wind leasing round as a watershed for the energy transition in the country, as well as for the UK and beyond – and a breakout moment for floating technology, which saw big players make commitments to advance massive, market-accelerating projects.

capacity of between 230 MW and 270 MW was launched at the end of April, with interested parties given until July 1 to submit proposals.

Projects 10 bidders for floating wind



Offshore wind farm. Author: Beverley Goodwin. License: Creative Commons, Attribution 2.0 Generic



Industry status



Industry status

- **Nascent industry** with **only 3** proven and **bankable** floating **technologies**
- **Extremely fast ramp up** expected (e.g. 750 units to be delivered and installed in Scotland by the early 30's)
- Substantial **financial commitments** and **insurance exposure** ahead ... with very **limited track records** and true industry expertise
- **Fragile industry**; any mishap will take our industry back 5 to 10 years



New realities ... as we speed towards commercial-scale

- Most **floater technologies** are **negatively impacted** by **XXL** offshore wind **turbines**
- Commodity prices, carbon footprint, local content and time-tested serial production capabilities give an added (and possibly long-term) boost to **concrete as hull material**
- Benefits of **synthetic rope** as principal mooring material are increasingly demonstrated
- Proven working relationships with the **OEM's** are critical; better be on their **short list!**
- **Financial modeling**: estimating capex is good; demonstrating reliable opex and producible numbers is much better



New realities ... as we speed towards commercial-scale

- **Mooring line redundancy** is progressively becoming the norm ... at least at this early stage of the industry
- Securing properly dimensioned **harbor infrastructure** early, to build, launch and store floaters is not to be underestimated
- Interface management, risk transfer, design endorsement, supply-chain selection and engagement, etc. are more complex issues than one can imagine; **demonstrators** and **pilot projects** – if properly managed - offer much much **more than just** a proof of a solution's **technical viability**
- Approvals in Principle do not provide any form of bankability. **Only** full (and real) **project certifications** lead to **bankability** and **insureability**



More on floating ?



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Thank You !

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