

Making it happen:
Contribution of offshore
renewable energy policy to
net zero GHG 2050, and
perspectives on COP26

Simon Richards, Marine New Ventures
Plymouth, Wednesday 19 January 2022



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The Crown Estate

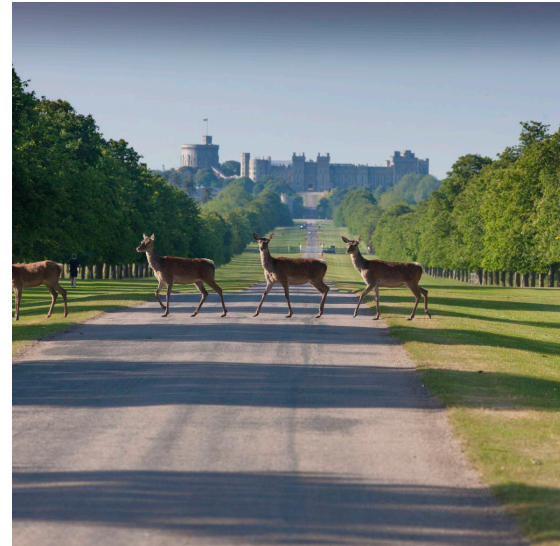
- Company established by an Act of Parliament.
- Creators of 'lasting and shared prosperity for the nation'. Profits to HM Treasury.
- Actively managing a diverse portfolio in England, Wales and Northern Ireland:
 - London
 - Regional urban
 - Rural
 - Offshore
- Managers of the seabed (and half the foreshore) around England, Wales and Northern Ireland.
- Crown Estate Scotland was devolved in 2017.



London estate: St James's / Regent Street



Regional estates: Princesshay, Exeter



Rural estates: Windsor Great Park



Energy, subsea cables/pipelines and aggregates

What must happen?

- 51 billion tons....to zero.
- United Kingdom by 2050
 - **Net zero greenhouse gas emissions**
- United Kingdom in 2030
 - **5GW of low carbon hydrogen**
 - **10Mt of CO₂ captured and stored p.a.**
 - **40GW of offshore wind**
 - **1GW of floating offshore wind**

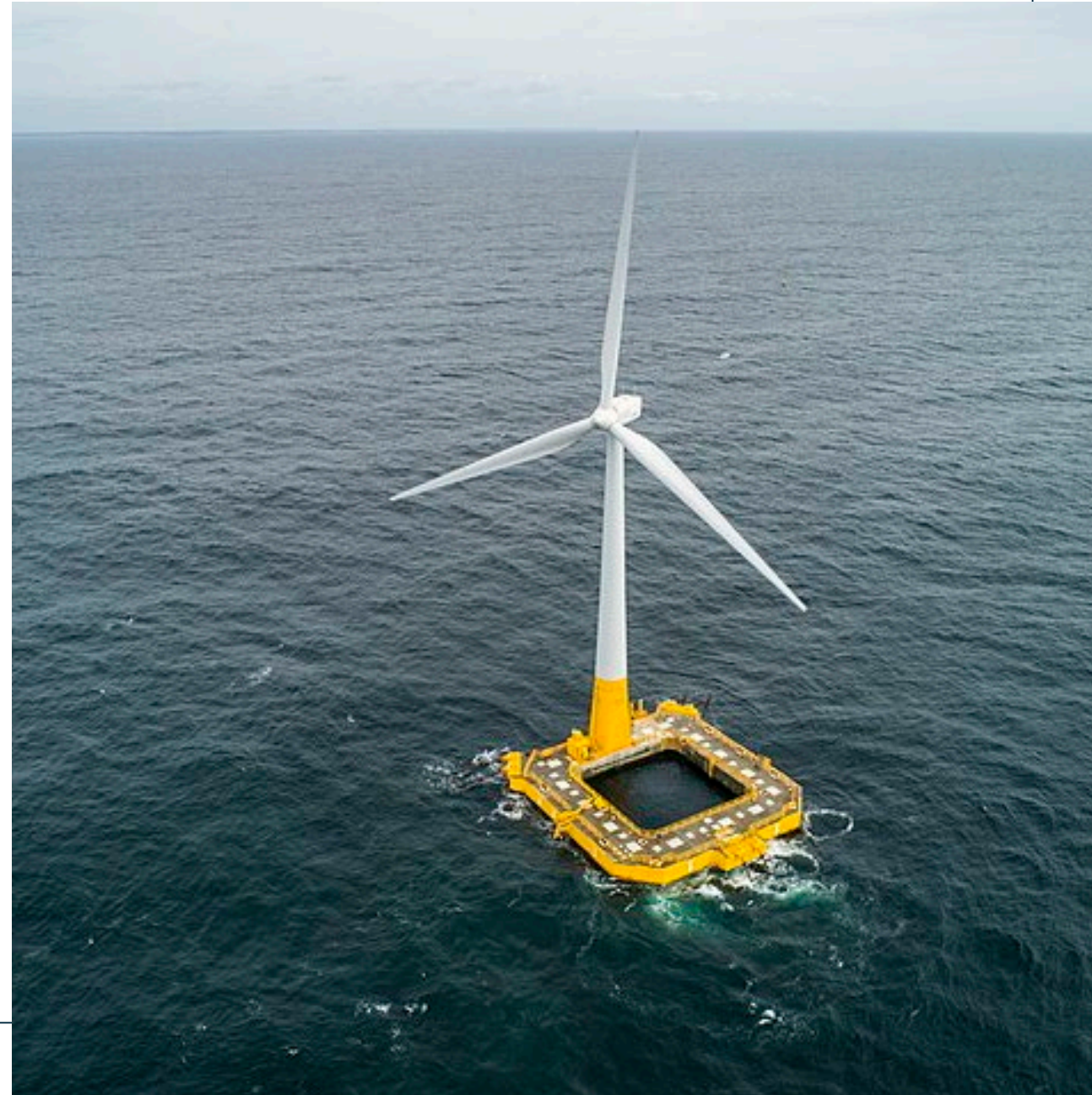
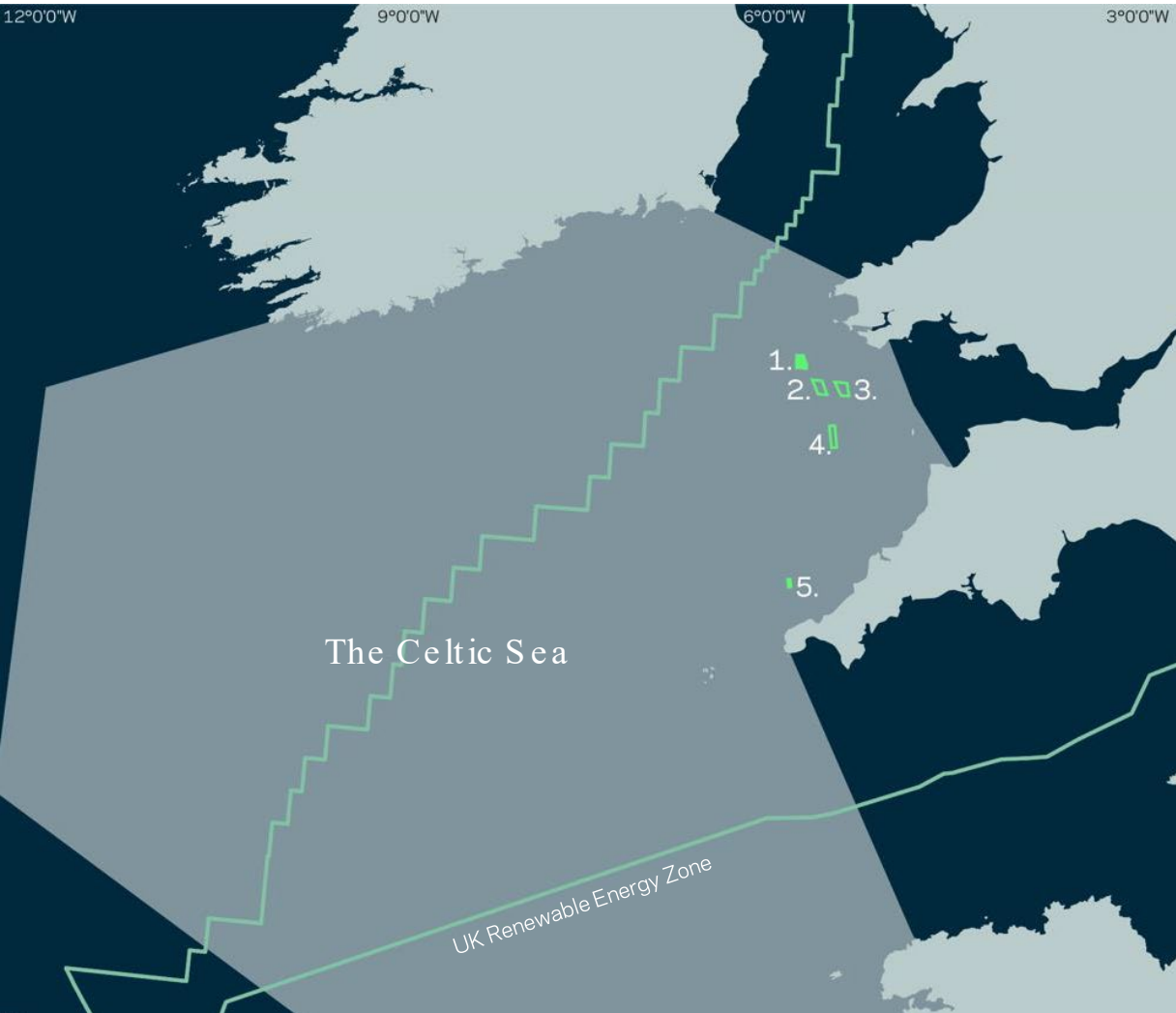


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The Celtic Sea and announced Test & Demonstration floating projects

Since COP26

- Positive response to our Nov 2021 announcement of plans for floating wind leasing:
 - Up to 4GW of floating wind in the Celtic Sea.
 - Early-commercial scale projects
 - circa 300 -350MW.
 - Full-commercial scale projects
 - up to 1GW.
 - Could see delivery from 2030 into early 2030's.

- Strong response from stakeholders to our Dec 2021 digital engagement questionnaires.
 - More engagement in 2022 and beyond.



Potential contribution of UK offshore renewable energy policy

- Reinforce confidence for investment decisions involving long-lived assets, including:
 - **Associated infrastructure (grids, ports etc)**
 - **Inward investment**
- ‘51 billion to zero’ dictates a system-wide approach:
 - **Power, heat and carbon.**
 - **Humans, other fauna, flora and fungi.**
- Help address strategic challenges facing renewable energy projects in an increasingly complex marine environment:
 - **Mitigate cumulative pressures on coastal and marine habitats.**
 - **Deliver socio-economic benefits for communities .**

The race to zero:
let's make it happen.

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Scroby Sands wind farm

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