

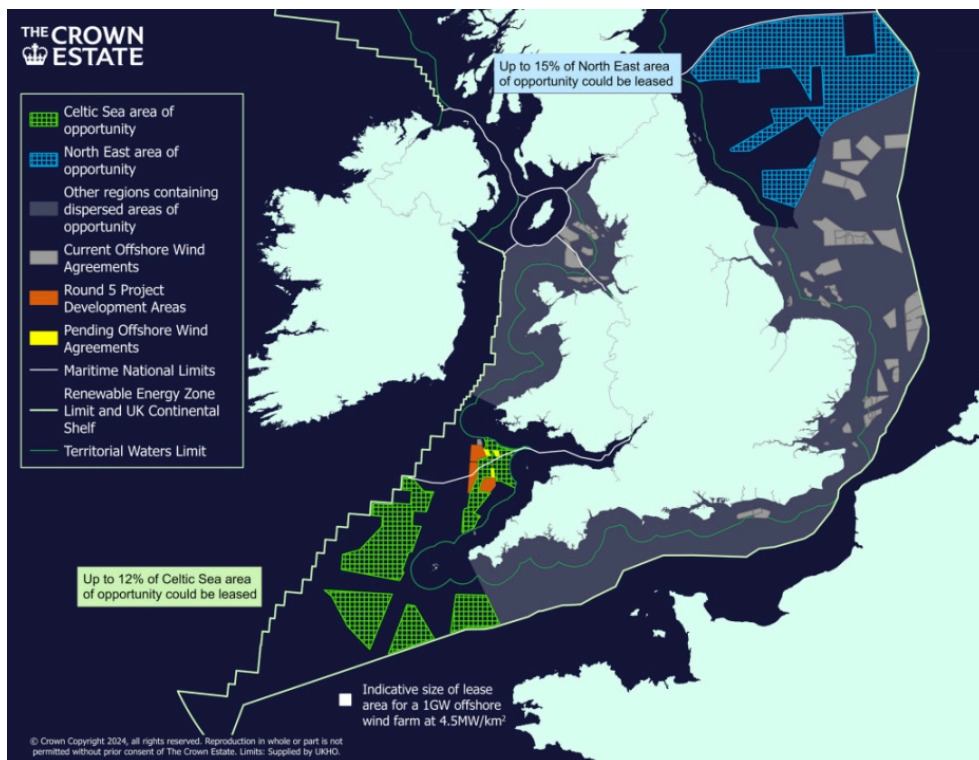


# Floating Offshore Wind is coming to Cornwall!

We have never had offshore wind in Cornwall due to our deep waters making deployment of traditional fixed offshore wind impossible. Recent innovation in the offshore wind sector has led to floating offshore wind (FLOW) which utilises traditional turbines and oil rig technology to produce turbines which float on the water whilst anchored to the seabed. This innovation means it is now possible to deploy turbines in depths greater than 60 meters, unlocking the Celtic Sea for offshore wind! We have 3 Project Development Areas currently being leased by The Crown Estate totalling 4.5GW of development.

The turbines in the Celtic Sea could be as large as the Shard with a single blade reaching lengths of 110 meters!

Whilst the development of this new sector in Cornwall is exciting, going from 0 to 300 turbines in one leasing round is a significant challenge for our workforce and supply chain. The FLOW sector needs skilled people ready to work in the sector over the next few years across management, technical, consenting and corporate roles among many others!



# Future Projects

The Crown Estate have released areas of search indicating we could see up to 12GW more development of FLOW off the coast of Cornwall!

## Jobs in Offshore Wind

A recent report by the Offshore Wind Industry Council has detailed some of the occupational profiles we are likely to see in the offshore wind sector. The jobs required to smoothly consent, plan, construct, assemble, deploy and maintain the turbines are varied and require a range of skills.

- Senior Authorised Person
- High Voltage Cable Engineer
- Electrical Project Engineer
- SCADA Engineer
- Marine Ecologist
- Wind Turbine Technician (Installation)
- Seafarer
- Regulatory Advisor
- High Voltage Technician
- Commissioning Engineer
- Control Room Engineer
- Environmental Consenting Specialist
- Wind Turbine Technician (O&M)
- Wind Turbine Troubleshooter
- QHSE Manager
- Subsea ROV Operator

# Celtic Sea Power

Celtic Sea Power are a company owned by Cornwall council with a base in Hayle, Cornwall and Pembroke Dock, Wales. We have four main areas of operation; industry, infrastructure, workforce and environment, and one mission; maximising the social and economic benefits of green energy opportunities in Cornwall and the wider region.



#### FFIV:

Design and feasibility study for the development of a vessel using sustainable fuel sources for FLOW deployment.

#### Sub Sea Soundscape:

Deployment of a microphone in the Celtic Sea to gather data on seal calls and train AI models to recognise their calls.

#### NoTwoPaths:

An app developed to map credible career pathways into the sector based on local courses and jobs in Cornwall.

**NoTwo**  
**Paths**

#### Digital Aerial Survey:

Mapping birds and marine animals in the Celtic Sea using drones and planes.



#### Contracts for Growth:

A platform designed to encourage collaboration between companies to solve industry problems with the goal of enhancing regional capacity for FLOW!

**FLOW***mark*

# Projects for the Floating Wind sector