

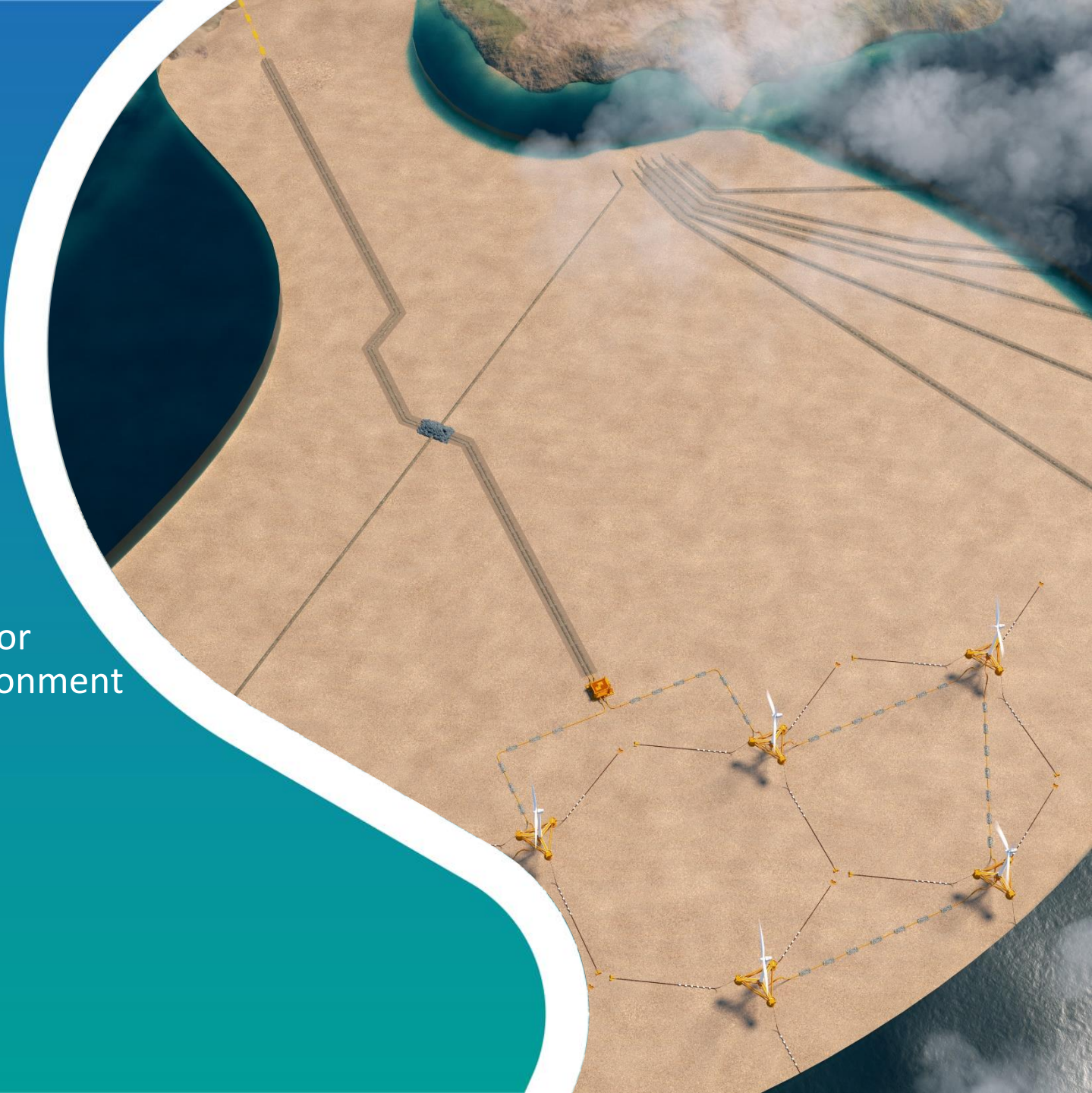
Q2 2024 V1.0

# Salamander Offshore Wind

Maximising the value of floating offshore wind for  
Scotland's economy, communities and the environment



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Simply Blue Group



# Salamander partnership



GLOBAL MARKET LEADER IN  
OFFSHORE WIND WITH 30 YEARS'  
EXPERIENCE

Ørsted generates >7% of UK electricity

**12 operational** UK offshore wind farms including the **world's largest**, Hornsea 2, and **4 in development**

**Invested >£14bn** in the UK in last decade and will invest at least that much again before 2030

Awarded **almost £10m** to more than 680 local social and environmental projects in the UK through our three offshore wind **Community Benefit Funds**

Over **1,100 direct UK employees**

**Over 200 suppliers in the UK including 27 major Scottish suppliers** and 10 Scottish suppliers supporting non-UK projects

Investing in offshore wind, onshore wind, solar, green hydrogen, battery storage



Simply Blue  
Group

A BLUE ECONOMY PROJECT DEVELOPER

A **leading early-stage developer** of transformative and sustainable floating wind, wave energy and aquaculture projects in Ireland and the UK

Architects of the **stepping-stone concept** for floating wind

**Over 10 GW of early stage floating wind projects** in development globally

**Strategic partnerships** with O&G supermajors and national utilities

Vision to work with the oceans and **enable communities to benefit from blue growth**



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subsea 7

LEADING EPCI CONTRACTOR IN  
OFFSHORE WIND

Subsea 7 is a **global leader** in the delivery of **offshore projects and services** for the evolving energy industry

Based in **Westhill, Aberdeenshire**

**Extensive track record in Scotland** including Beatrice and Seagreen fixed bottom offshore wind projects, installation scopes on both Hywind and Hywind Tampen for Equinor, performance of Pre-FEED and FEED work for South Korean and prototype projects, studies for a number of clients

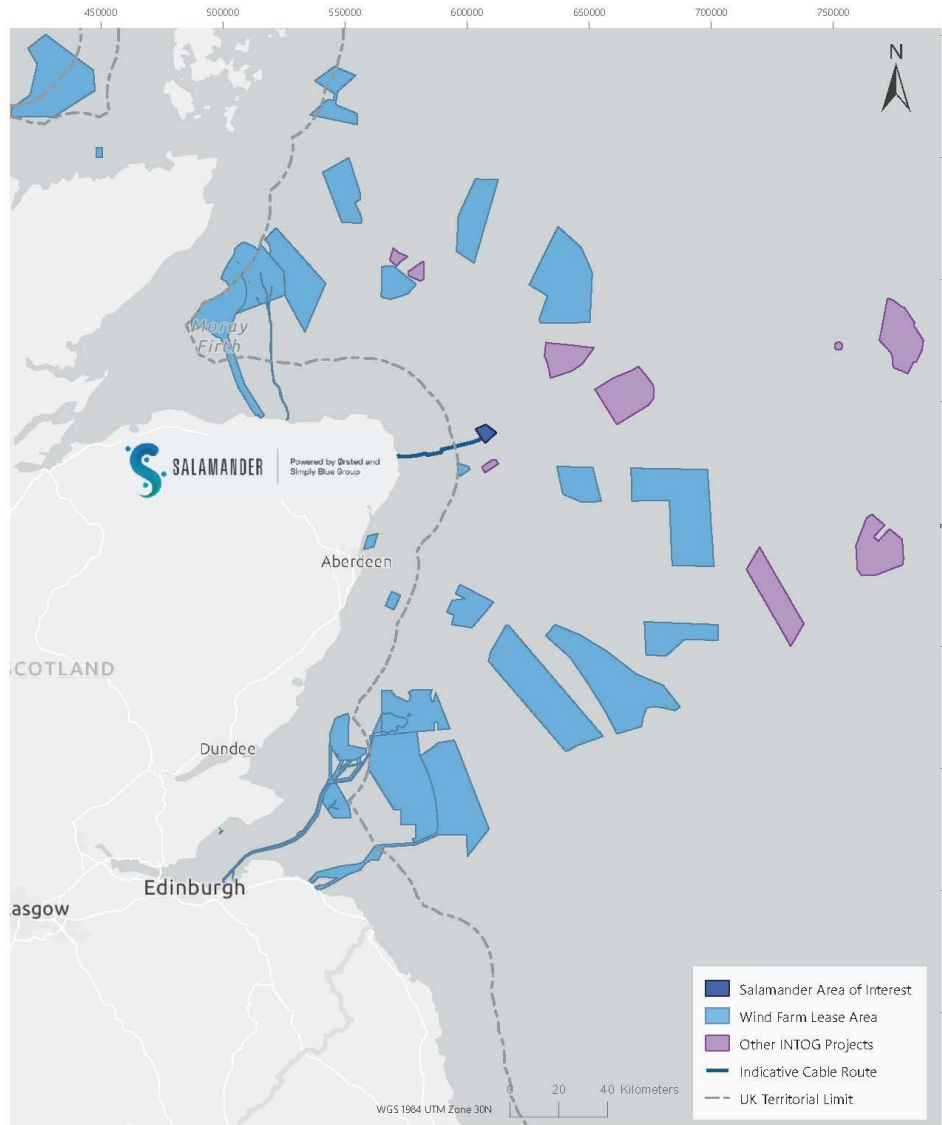
**Ownership of Xodus and 4Subsea** and a majority share in Nautilus Floating Solutions S.L.



# Salamander Offshore Wind Farm



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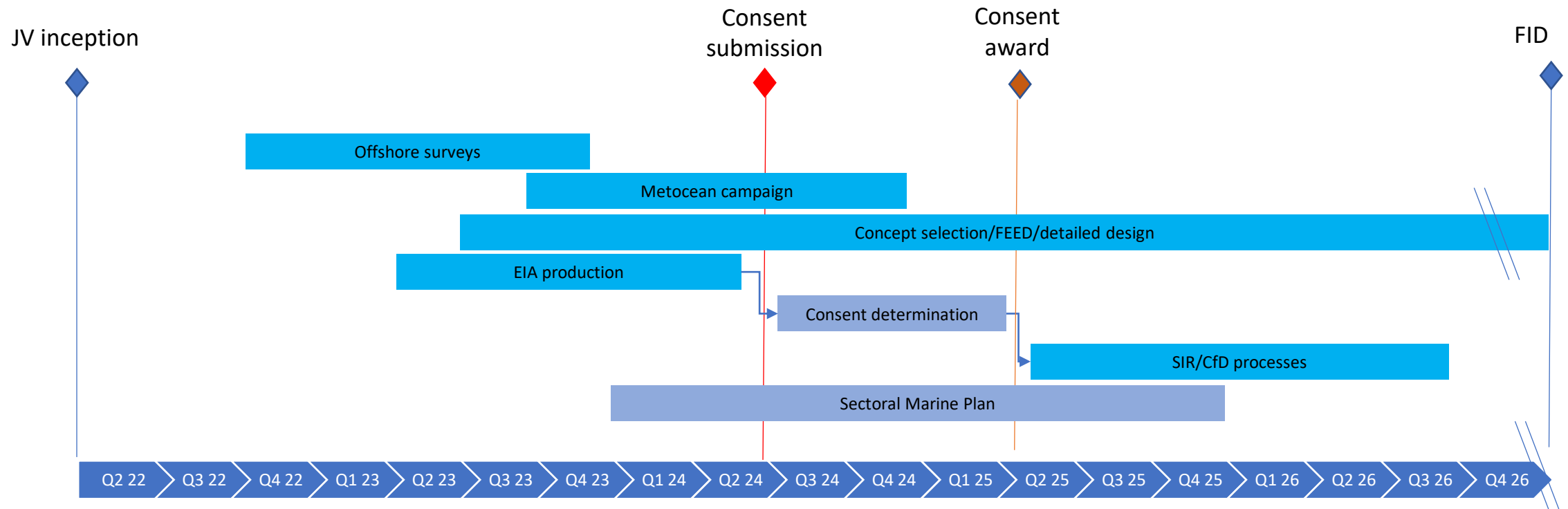
A 100 MW floating offshore wind project approximately 35 km east of Peterhead. Up to 7 turbines.

A vital stepping stone project to maximise the value of floating offshore wind for Scotland's economy, communities, supply chain and environment – **must deliver before ScotWind.**

Awarded a seabed lease from Crown Estate Scotland in the innovation track of their INTOG leasing round, March 2023.

# Key project updates

- ✓ Exclusivity Agreement signed for seabed lease
- ✓ Offshore surveys complete, metocean & onshore continuing
- ✓ Approaching submission of our consent (EIA) application
- ✓ Grid (2029) and onshore options secured.



# Salamander Innovation

## INTOG Project – “Future Supply Chain Development”

### A Stepping-stone project

- Actively seeking innovations that unlock the potential of floating wind
  - Ready the Scottish supply chain for TOG projects and Scotwind
  - Make Scotland a centre for Floating Wind Innovation
- 
- Innovation and Supplier Pathway Phase 1 pulled 90+ innovations focused on: Foundation loadout, foundation jointing technologies, mooring optimisation, disruptive O&M and hydrogen processing. Phase 2 – watch this space
- 
- Further innovations addressing environmental, supply chain and technical challenges with commercial scale floating offshore wind.



## Collaborative Technology Opportunity

### Pict Offshore Ltd: Get Up Safe (GUS)

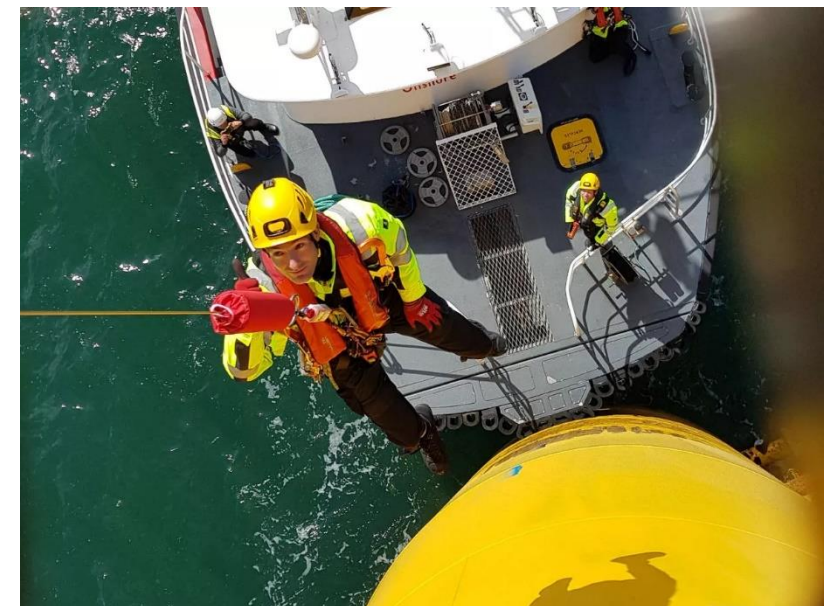
- Founded in 2019, Pict have developed GUS as an alternative to boat landings, enabling safer CTV-turbine transfers and the potential for cost savings. PICT is also developing a dual-function system which incorporates Davit crane capabilities, further improving cost profile.
- <https://www.pictoffshore.com/>

### The Technology:

- Personnel lift system, with active heave compensation to adjust motions based on vessel movement.
- Fixed-bottom – TRL9, Floating – TRL4/5. Approaching 10,000<sup>th</sup> transfer at Hornsea Two, and newly installed at Southfork in the USA, with another 150+ units planned for Revolution (2024) and Sunrise (2025).

### Collaboration opportunity for Innovation Network:

- Support Pict to mature floating offering
- Develop best-practice and standards related to vessel-floating platform technician transfers.



## Universities of Highlands and Islands and Aberdeen – PREDICT (2.0)

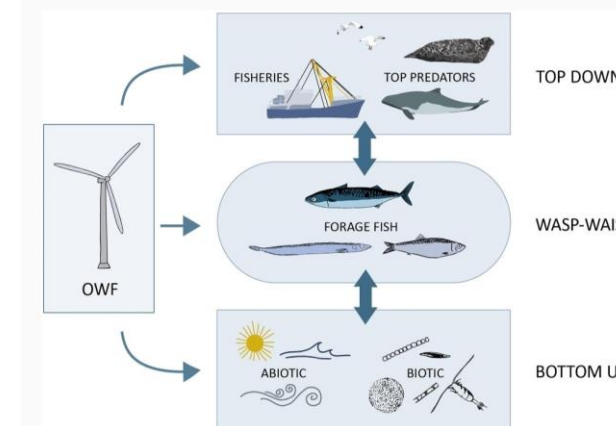
- PREDICT is a University-led research project aiming to investigate fish migration patterns to better predict where and when predators (seabirds and marine mammals) will have increased windfarm interactions. PREDICT aims to address shortcomings in traditional environmental monitoring which is highly susceptible to species/seasonal/annual variations.
- <https://eri.ac.uk/predict/> and a [published paper](#)

### The Technology:

- PREDICT 2.0 aims to validate the research by supplementing metocean data collection with additional sensors to identify fish and predators at the Salamander site.
- TRL4/5 (before sensor deployment)

### Collaboration opportunity for Innovation Network:

- Enhance validation of the research by collecting data at more locations within INTOG sites.
- Unlock acceptance as an industry-standard approach as part of future wind farm development.



# Key takeaways



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Delivering innovations on time is essential but there are uncertainties and challenges with regard to TRL and timelines

This will require flexibility from the supply chain – many pieces of floating offshore wind are still 'works in progress'.



Engage with Scottish Enterprise to support innovations within the Scottish supply chain

We work closely with Scottish Enterprise and other bodies to help the supply chain innovate and ultimately deliver.



We are focused on concept maturation for floating elements and other innovations: we want to collaborate to reduce risk

This includes our technical and commercial concept – now is the time to engage and influence our strategy.



We want to speak to you to collaborate

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# Questions?