

INTOG: A World First

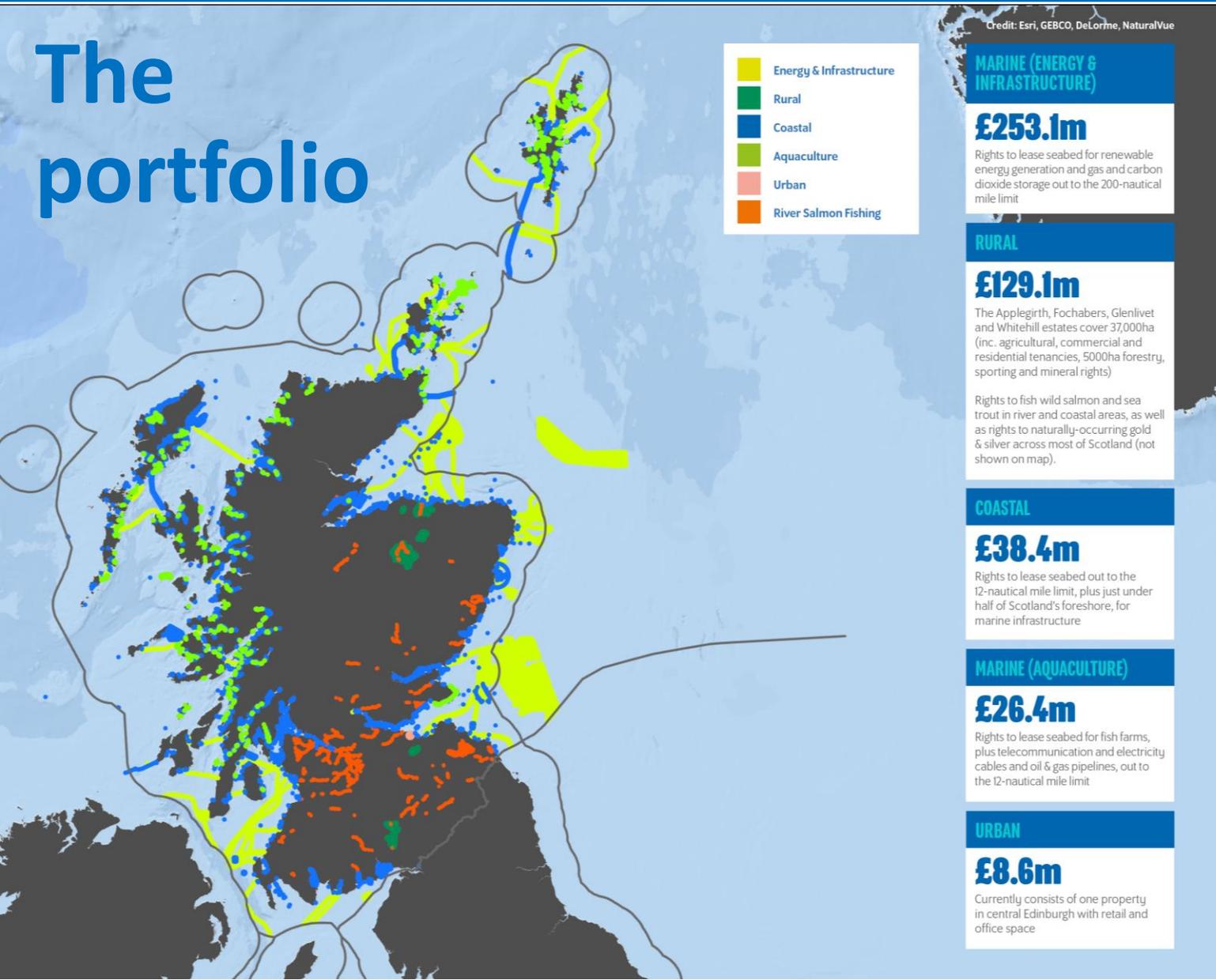
Ben Miller, Development Manager

11th May 2023



Crown Estate Scotland

The portfolio

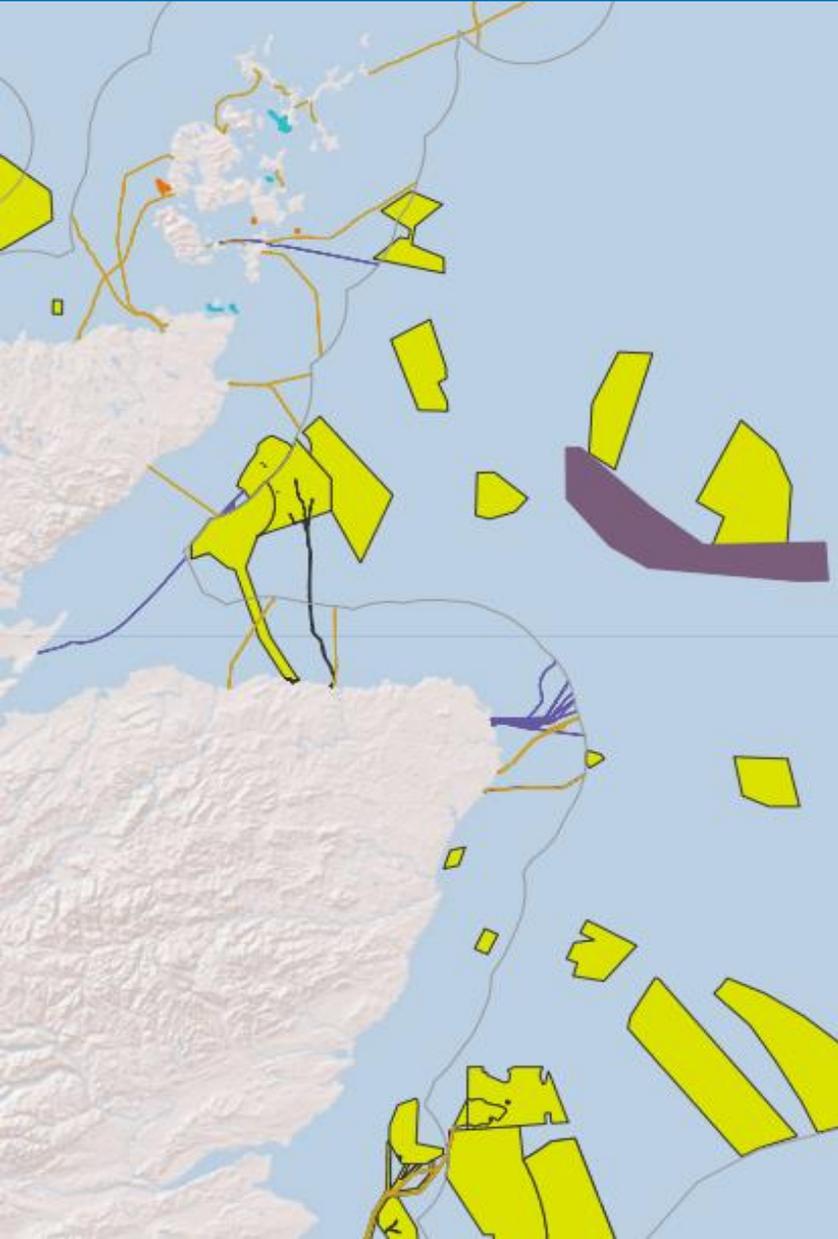


We manage property – including buildings, land, coastline and seabed – on behalf of the people of Scotland.

Our responsibilities include:

- Leasing of the seabed out to *12 nautical miles* (cables and pipelines, aquaculture)
- The rights to offshore renewable energy and gas and carbon storage out to *200 nautical miles*

Our role



“TCE and CES both go beyond a simple seabed landlord or asset manager function, acting as delivery partner with Government and the private sector to take an active, long-term approach to maximising usage of the seabed, including Offshore Wind.”

Tim Pick, Independent report of the Offshore Wind Champion, March 2023

- Marine Scotland are responsible for strategic marine planning and grant consents for projects.
- Crown Estate Scotland only grants a lease when consents and permissions are in place.

Scotland as a global leader



Floating wind

- Both first and largest floating operational wind farms in the world
- Largest pipeline of seabed agreements for commercial scale floating wind



Fixed-bottom wind

- Seagreen will be deepest fixed-bottom project in the world - up to 59m depth
- Berwick Bank is one of the largest projects in the world – opportunities to scale up supply chain and skills



Innovation

- Decarbonisation of O&G leasing first of its kind
- Innovation leasing building on history of test and demonstrate projects

INTOG Objectives

Objectives for Innovation Projects:

- To enable projects which support cost reduction
- To further develop Scotland as a destination for innovation and technical development

Objectives for Targeted Oil and Gas Projects:

- To maximise the role of offshore wind to reduce emissions from O&G production
- To achieve target installed capacity in a way that delivers best value for Scotland and supply chain opportunity



Summary of basic parameters

Applicants to INTOG leasing must ensure:

- The project, including its **location**, is compatible with Marine Scotland's Initial Plan Framework.
- The project's **density** must be at least 3MW/km².
- The total **installed capacity** of the project
 - must not exceed 100MW for Innovation.
 - must not exceed 5 x the annual oil and gas installation power requirement for TOG. The electricity demand from the installation must be for a minimum of 5 years.
- A **Supply Chain Development Statement** (SCDS) submitted in advance of option agreement.
- A maximum capacity of **500MW** will be available for Innovation projects, and **5.7GW** for Targeted Oil and Gas.

The INTOG opportunity

As set out in our **Market Review**, there is a clear opportunity for industry to:

1. Secure seabed rights in an established market > Grow portfolio
2. Establish offtake agreements with installations > Financial and grid benefits
3. Deploy innovative offshore wind infrastructure > Proof of concept
4. Introduce new market participants > Cross sector learning
5. Contribute to wider decarbonisation > Reinforce OSW net zero role
6. Increase the pipeline of floating projects > Build supply chain

INTOG Results

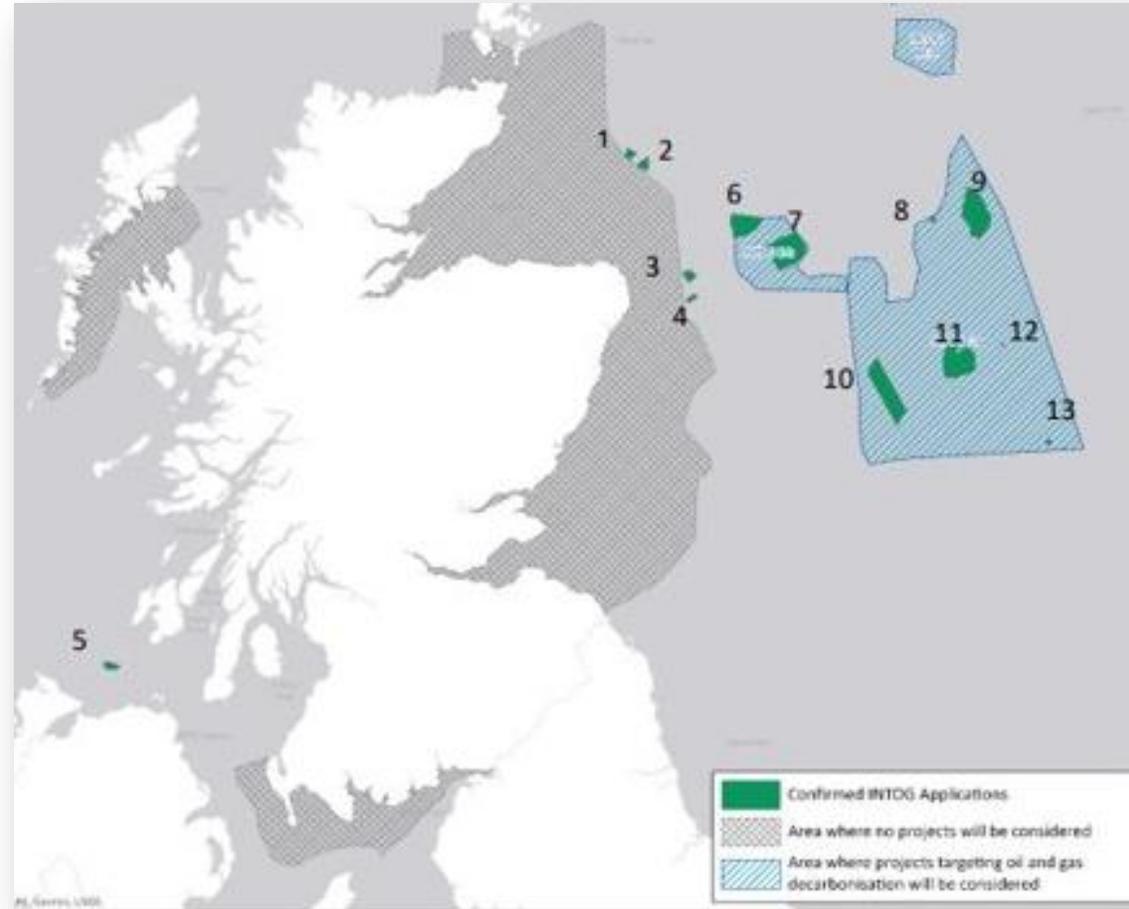
13 Projects offered
Exclusivity Agreements:

5 Innovation Projects

- 449MW awarded
- Area of seabed – 139km²

8 TOG Projects

- 4.96GW awarded
- Area of seabed – 1535km²



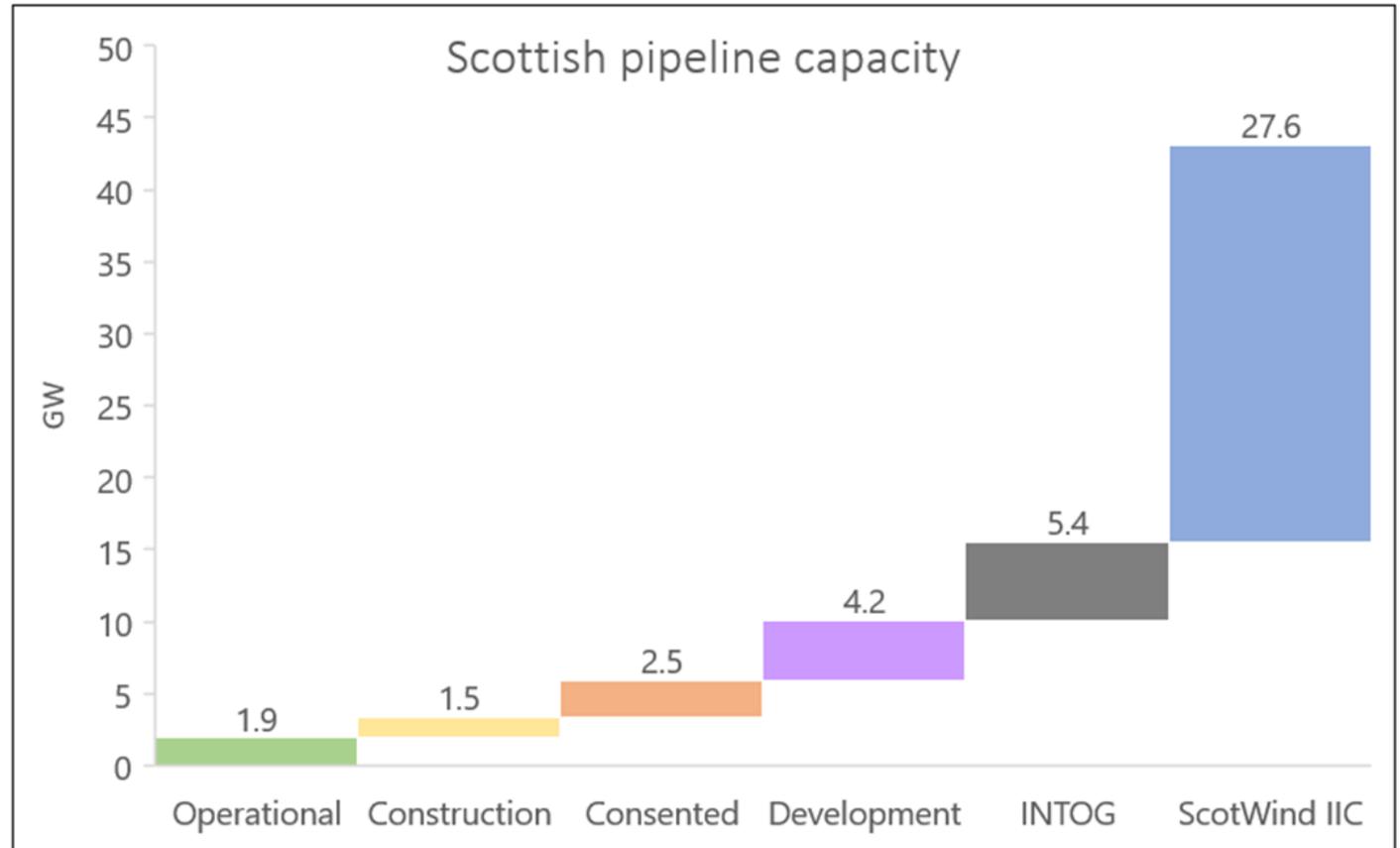
Successful Applicants

ID	Lead Applicant	Category	Innovation Category	Capacity (MW)
1	Bluefloat Energy/Renantis	Innovation	Commercial	99.45
2	Bluefloat Energy/Renantis	Innovation	Supply Chain	99.45
3	Simply Blue Energy (Scotland)	Innovation	Supply Chain	100
4	BP Alternative Energy Investments	Innovation	New Markets	50
5	ESB Asset Development	Innovation	Cost reduction	100
6	Flotation Energy	Targeted Oil & Gas		560
7	Cerulean Winds	Targeted Oil & Gas		1008
8	Harbour Energy	Targeted Oil & Gas		15
9	Cerulean Winds	Targeted Oil & Gas		1008
10	Cerulean Winds	Targeted Oil & Gas		1008
11	Flotation Energy	Targeted Oil & Gas		1350
12	TotalEnergies E&P UK	Targeted Oil & Gas		3
13	Harbour Energy	Targeted Oil & Gas		15

Scale of Opportunity

CES leasing activity is ensuring that Scotland has a position as a leading market, with:

- ScotWind signalling a major shift in scale
- A strong pipeline of projects into the mid 2030s
- 40GW+ of potential in Scotland, against a UK-wide ambition for 50GW in 2030



INTOG on our website:



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