

LC-GD-5-1-2020: Area B) Green Ports



Proposed Approach

What is your understanding of the part of the problem you can solve?

Port of Tyne would like to explore collaborative opportunities for consortia working on Area B) Green Ports.

We are a multi-modal transport hub for wider logistics networks and can have a significant impact on transport connectivity, decarbonisation and the circular economy in our hinterland.

Through our 2050 Innovation Hub, **the first and only port maritime hub in the UK**, created and run with partners Connected Places Catapult, UK Department for Transport, Nissan, Royal Haskoning DHV, Accenture, Ubisoft and PD Ports, we are in a unique position to collaborate with stakeholders to add significant value to solutions that meet the call challenge of green and smart logistics and how these impact our surrounding region and more widely, extending well beyond the Port.

We are keen to work with partners specifically to:

- Extend our clean energy roadmap activities to support investment cases for hydrogen and other future fuels, strategic infrastructure developments and smart logistics to positively impact our hinterland.
- Explore opportunities for modal shift to and from ports from road to rail, to connect with inland waterways and better logistics connectivity and integration, working as a hub of data exchange between parties.

Experience

What previous, relevant, work or track record can you bring to the team?

The Port handles a wide variety of vessels from Feeder to Panamax, Cruise, Ferries, Bulk and Container vessels so we can offer diversity across the full spectrum of waterborne traffic. Our South estate is primarily bulk and containerised cargo, with the North bank being utilised for passenger and RORO freight. We have a Rail Hub connected to the East Coast Main Line and a fleet of logistics vehicles which comprise the full, seamless integration between sea, road and rail. We currently actively work alongside Nissan, Drax Power, Lynemouth Power as well as major shipping lines. We will be the O&M base for Equinor. Equinor and its partner SSE Renewables have been awarded contracts to develop the world's biggest offshore wind farm in the Dogger Bank region of the North Sea with a total installed capacity of 3.6 GW, enough energy to power the equivalent of 4.5 million UK homes.

Organisational Capabilities

What skills, capabilities, facilities does your organisation have that will be vital for this project?

The Port of Tyne is an operational Port with a diverse range of operations with excellent quayside facilities as well as land available for potential development for renewables.

Through the 2050 Innovation Hub which is sited at the Port of Tyne we also have engaged with numerous technological companies – Royal Haskoning DHV, Accenture are both partners of the 2050 Innovation Hub. The 2050 Innovation Hub, is setup for the greater good of the UK Port sector and is therefore able to leverage its network of contacts to pool knowledge and resources appropriate to the specific requirements of each stage of the funding call.

Port of Tyne is ideally situated to review Shore side power and green hydrogen for charging and storage as part of our new offshore wind partnership and other current and future customers. We have a brownfield site which is earmarked for development for offshore wind, this is the ideal opportunity for a “clean slate” approach to renewable energy installation and testing without the challenges of pre-existing infrastructure.

Administrative Information

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