PORT DECARBONISATION AND ENVIRONMENTAL SUSTAINABILITY

11:55 – 13:10

Delivery Pathways and Funding Opportunities

Northern Ireland Perspectives

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In association with Redshift Associates

Northern Ireland Perspectives

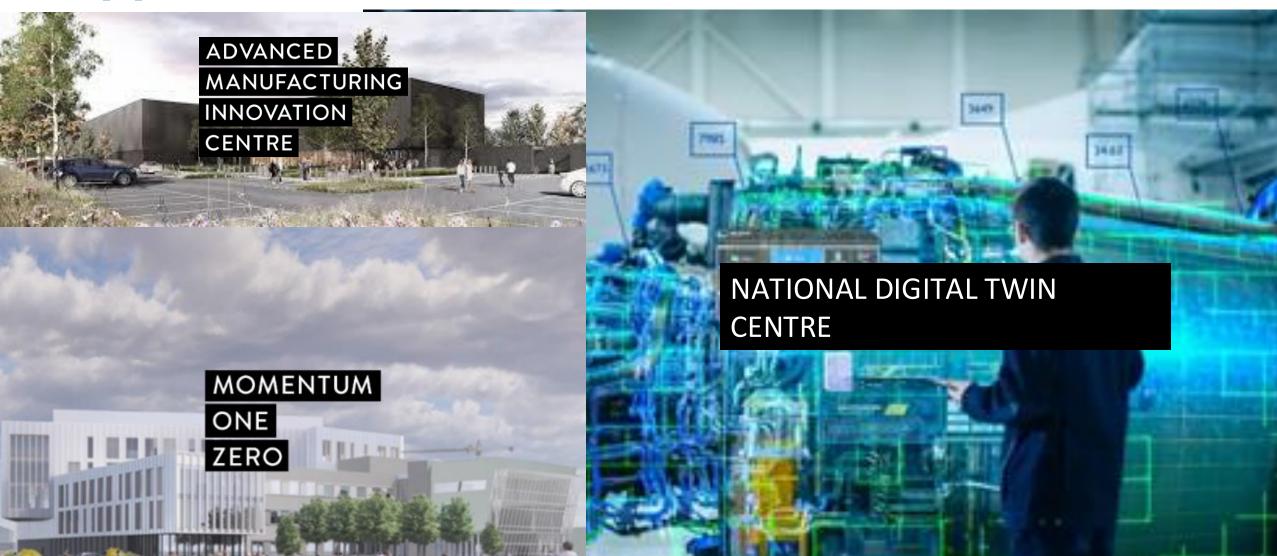


A region of looking into the future



Innovation and problem-solving is in our DNA

Key infrastructure investments & opportunities



Draft PfG

 9 priorities, one of which is to Grow a Globally Competitive and Sustainable Economy, which relates to the work of DfE. This priority is broken down into actions which are focussed around the Minister's Economic Vision – Good Jobs, Increasing Productivity, Regional Balance, and Decarbonisation.

On **Decarbonisation**:

- We will seek to achieve self-sufficiency in our own clean and affordable energy.
- The **Energy Strategy for Northern Ireland** is continuing to create the right market conditions to deliver investment in our low carbon and renewable energy economy, whilst aiming to protect consumers from cost shocks, and ensuring that communities also benefit from a just transition.
- We will help local businesses cut their energy bills by investing £15 million in the **Energy and Resource Efficiency Support Scheme**.
- We will also invest a further £75 million via the **Invest to Save Fund** into the public sector's transition to net zero.

Draft PfG

- Recognising the opportunity for economic growth, including in green growth technology which allows us to achieve net zero, harnessing new innovations in technology, Foreign Direct Investment growth, and supporting local businesses to scale up and improve productivity, we will realise the ambition of the proposed £150 million Investment Zone. It will offer incentives and funding to help our industries and communities seize the many opportunities including those that arise as we transition towards net zero as part of our commitment to tackling climate change.
- We will publish a **Circular Economy Strategy** with responsible production and consumption at its core. The Strategy will have three key principles of designing out waste, keeping products in circulation at their highest value for as long as possible and regenerating natural systems.

Draft PfG

• Facilitate Net Zero Infrastructure:

.. The Net Zero Enhanced Investment Zone and the Net Zero Accelerator Fund will create solid foundations for our economy, inward investment, health and social wellbeing both now and for future generations.

External funding opportunities

- The Department for the Economy's Business and Industrial Processes team is developing an e-zine, with the aim of publishing at the beginning of October, to promote external funding opportunities that help deliver industrial decarbonisation.
- In terms of opportunities directly related to ports there is an opportunity listed from the ESA itself on maritime decarbonisation, and the UK infrastructure Bank which provides infrastructure investment to help tackle climate change, with transport (including port infrastructure) being one of their priority sectors.

Innovation & Technology

Product, Process, Service Innovation



Grant for R&D

Innovation Vouchers

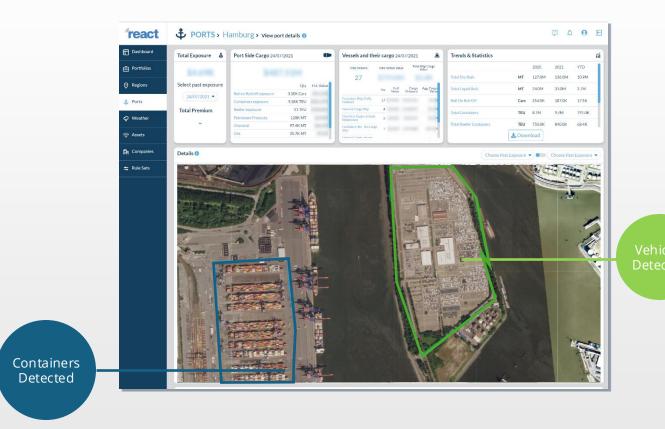
Technical Advice/ Technical Development Incentive

E-Business

Innovate UK offerings



Cargo Port Analysis

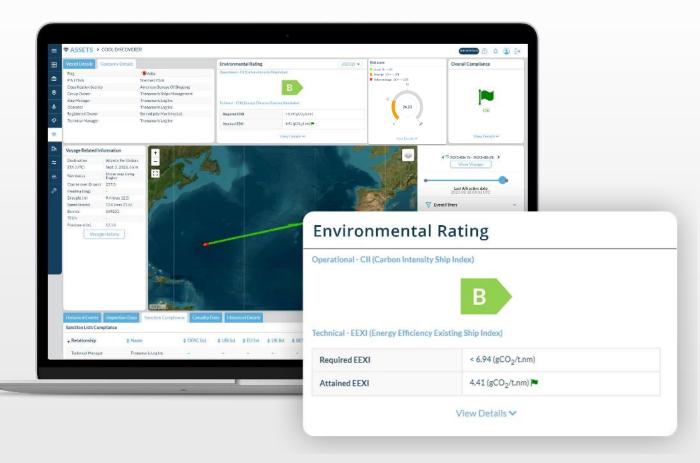


- Real time monitoring of cargo port operation using satellite imagery
- AI powered models for identifying and counting assets in port
- Infrastructure change detection for long term monitoring of decarbonisation progress



ESG Rating of Vessels

- Environmental profile of ships arriving in the port using IMO methodology
- Now possible to rate according to Energy Efficiency
- Marine pollution monitoring, oil, dirty waters etc. supported by Earth observation imagery
- Bio-fouling compliance environmentally sensitive activity tracking

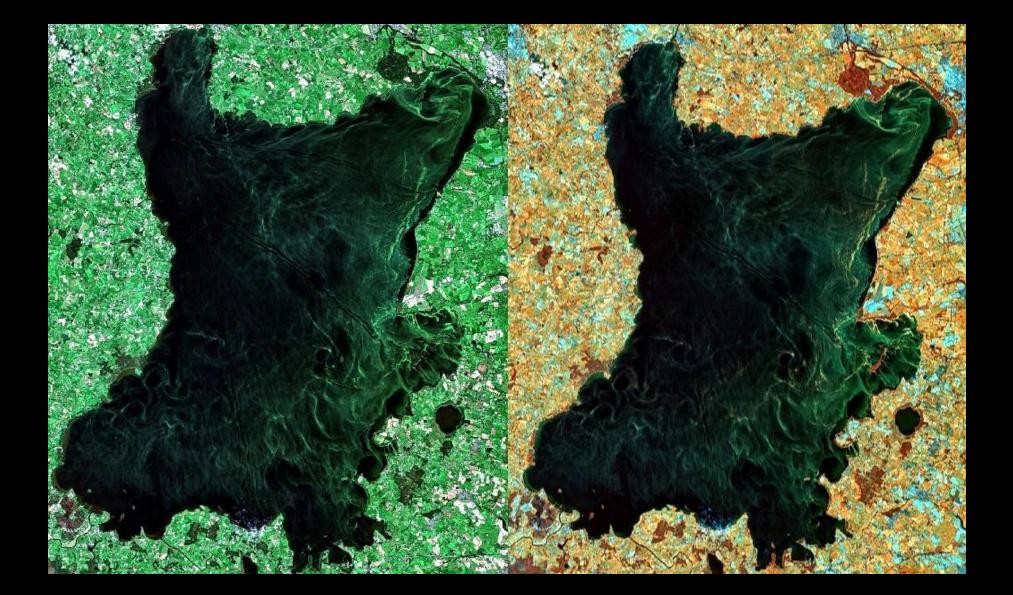


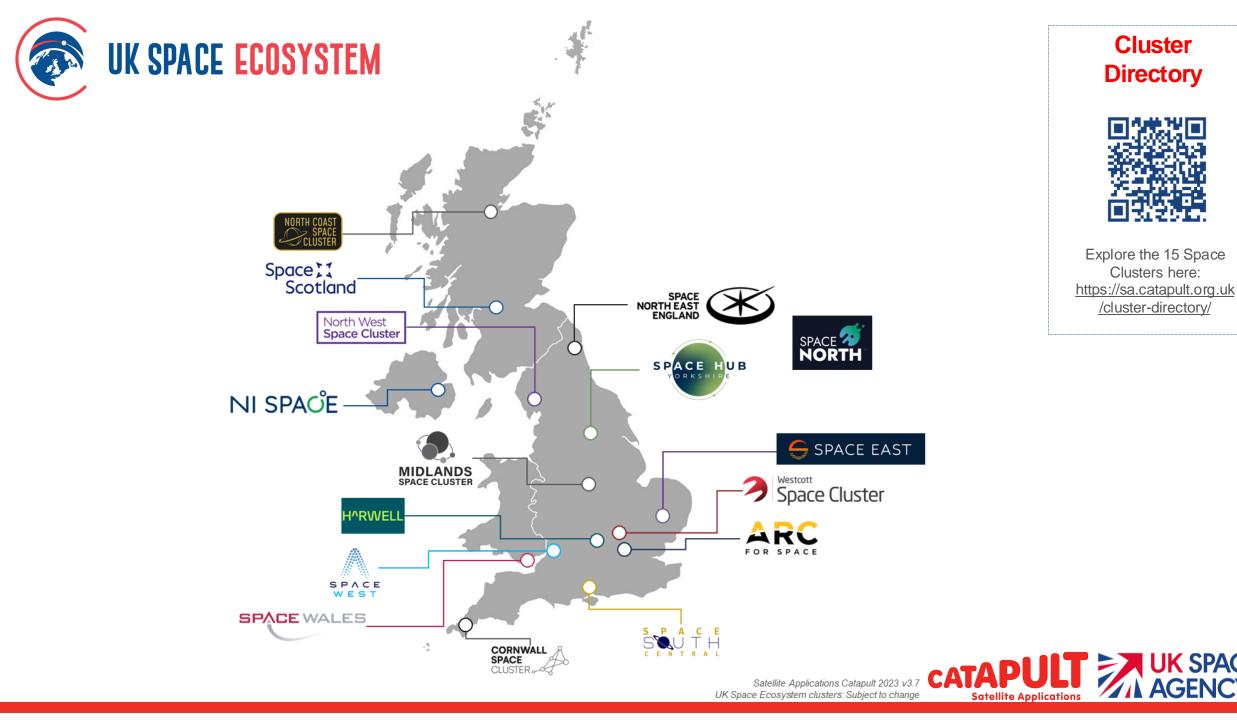




Northern Ireland Earth Observation Portal







UK SPACE AGENCY

The Northern Ireland Science Industry Panel

Matrix is an industry led panel advising government and informing academia and industry on the commercial exploitation of R&D and science and technology



World Space Week OCTOBER 4-10 'Space & Climate Change'

UK launch event @ Stormont, Belfast October 3rd 2024





National Centre for Earth Observation



Northern Ireland Science Industry Panel

