Green Port
& Northern Ireland Green Seas

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Belfast Harbour
CLEAN MARITIME DEMONSTRATION COMPETITION
Northern Ireland Green Seas

Belfast
Large urban port with international reach

Bangor
Regionally significant marina

Rathlin Island
Small remote port providing essential services
# Work Packages

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Green Port

Renewable Energy Supply

Grid Connection or Direct to H.E.

BESS & Hydrogen Production

Marine and Land Use Cases
Accomplishments & Next Steps

- 13 No. Design & Analysis grid studies across the three locations and associated electrical infrastructure analyzed and modelled
- Technologically-viable solutions identified and costed
- Principle use cases identified for both marine and land assets
- Solution is steady-state load
- Indicative results from independent DfT-appointed Monitoring Officer suggest solution is strongly aligned with goals of UK Clean Maritime Plan
- Phase 3 CMDC competition (funding for capital works) expected to be announced next year following Phase 2 feasibility studies (currently open)
Lessons Learned

• Win or learn mindset approach to open competitions

• Consortia are more than the sum of their parts

• Let the data have a voice

• Skills drive the success

• The infrastructure mantra: finance follows function

• “Most people overestimate what they can do in one year and underestimate what they can do in ten years.” – Bill Gates