

# DUAL Ports

De-carbonising port business today

## Developing Low carbon Utilities, Abilities and potential of regional entrepreneurial Ports

DUAL Ports is a €5,2m project, 50% co-funded by the European Union and the European Regional Development Fund through the Interreg North Sea Region Programme 2014 - 2020, Eco-innovation priority. The project runs from 10/11/2015 till 30/06/2019.

### Who are we ?

The port of Oostende leads a consortium of 10 Flemish, Scottish, Danish, German and Dutch harbour authorities and organisations:

- The ports of Zwolle (with Kampen and Meppel), Vordingborg, Emden, Guldborgsund and Skagen (future).
- The private/public organisations: Fair Winds Trust; ITM; Orkney Islands Council; HWWI GmbH; Vordingborg Erhverv;

### What are we doing ?

Stimulating eco-innovation, carbon emission reduction and sustainable use of resources is a widespread priority in Europe nowadays. Being businesses, and considering their industrial and logistic function, also ports are expected to identify pragmatic low carbon visions and implement concrete solutions to this purpose.

Within this context, the DUAL Ports partners aim to decarbonise Regional Entrepreneurial Ports (REPs) through a shared eco-innovation port programme that minimises their environmental footprint. The objective is to specifically develop sustainable utilities and abilities of REPs. This will be achieved by collaboratively piloting and managing technologies, that tackle targeted measurable direct/indirect emission/pollution sources, with a 20% cost reduction and 10% carbon reduction goal. As demonstrated by last years' offshore wind energy developments in EU, ports play a key role in innovation and blue growth: they can be centres for testing and uptake of emerging technologies.

A transnational approach has been adopted to allow the DUAL small & medium size ports to capitalise on this potential, overcoming their individual limited staff, funding and capability to identify the most effective solutions on their own. Only few measures have been selected due to the project duration and size of the partnership. But they are expected to have a considerable impact on the way ports can act as facilitators between enterprises, research centres and public authorities and to enable user-driven eco-innovation in the North Sea area.



## Which pilots are the ports working on:

- building up business case for alternative, non-conventional energy sources systems: e.g. liquefied natural gas,/hydrogen
- Developing low carbon logistic products, bridging old and new technologies: a Sailcargo trading network through port facilities' eco-adaptation
- testing environmentally friendly equipment in ports : intelligent LED lightning network;
- piloting new way of sustainably managing the port environment : soil treatment; sustainable space use and port management through co-siting/dockland;
- sharing technology/processes/plans for resource efficient management: green officer + sustainability management system;
- sharing resources for low carbon management & processes in ports: low carbon planning & management.

## More information about the Dual Ports Project:

[www.northsearegion.eu/dual-ports](http://www.northsearegion.eu/dual-ports) & [www.dualports.eu](http://www.dualports.eu)

## Contact

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