PORTS AS KEY PLAYERS IN THE OFFSHORE WIND SUPPLY CHAIN

Wind EUROPE

The operation and maintenance of offshore wind farms are run out of ports

All offshore wind turbines and other equipment get transported to offshore wind farms via ports

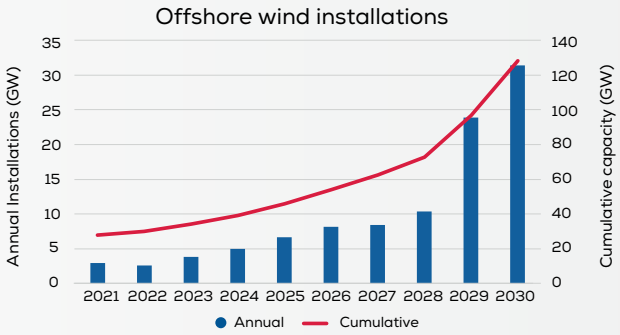
Ports will be the assembly point for floating offshore turbines

Ports will play a key role in converting offshore wind power into renewable hydrogen

THE EXPANSION OF OFFSHORE WIND IN EUROPE TO 2030

2023
6,340 turbines
34 GW

2030
13,000 turbines
128 GW



Source: WindEurope's Outlook for 2024-2030

WHAT THIS MEANS FOR PORTS

Average annual installations	Operation & Maintenance	Floating turbine assembly	Decommissioning	Renewable hydrogen
13 GW 1,000 WT/year	128 GW 13,000 turbines	4 GW 300 turbines	700 MW 300 turbines	20+ projects

THE ADVANTAGES OF LOCATING ELECTROLYSERS IN PORTS:

- Proximity to offshore wind farms and landing points;
- Presence of local and regional industrial clusters;
- Multiple opportunities for distribution and export; and
- Helps decarbonise other sectors.

INVESTMENT REQUIREMENTS

WITHOUT PROACTIVE INVESTMENTS IN PORTS, THE OFFSHORE WIND SECTOR WILL NOT BE ABLE TO MEET THE NATIONAL CLIMATE AND ENERGY TARGETS.

Money should go to port land expansion, reinforcing heavy-loading quaysides and deep-sea harbours, and carrying out other civil works.

€8.5bn investment

To upgrade or build at least 50 port facilities before 2030

5 years

To pay back the investments

Cost reduction

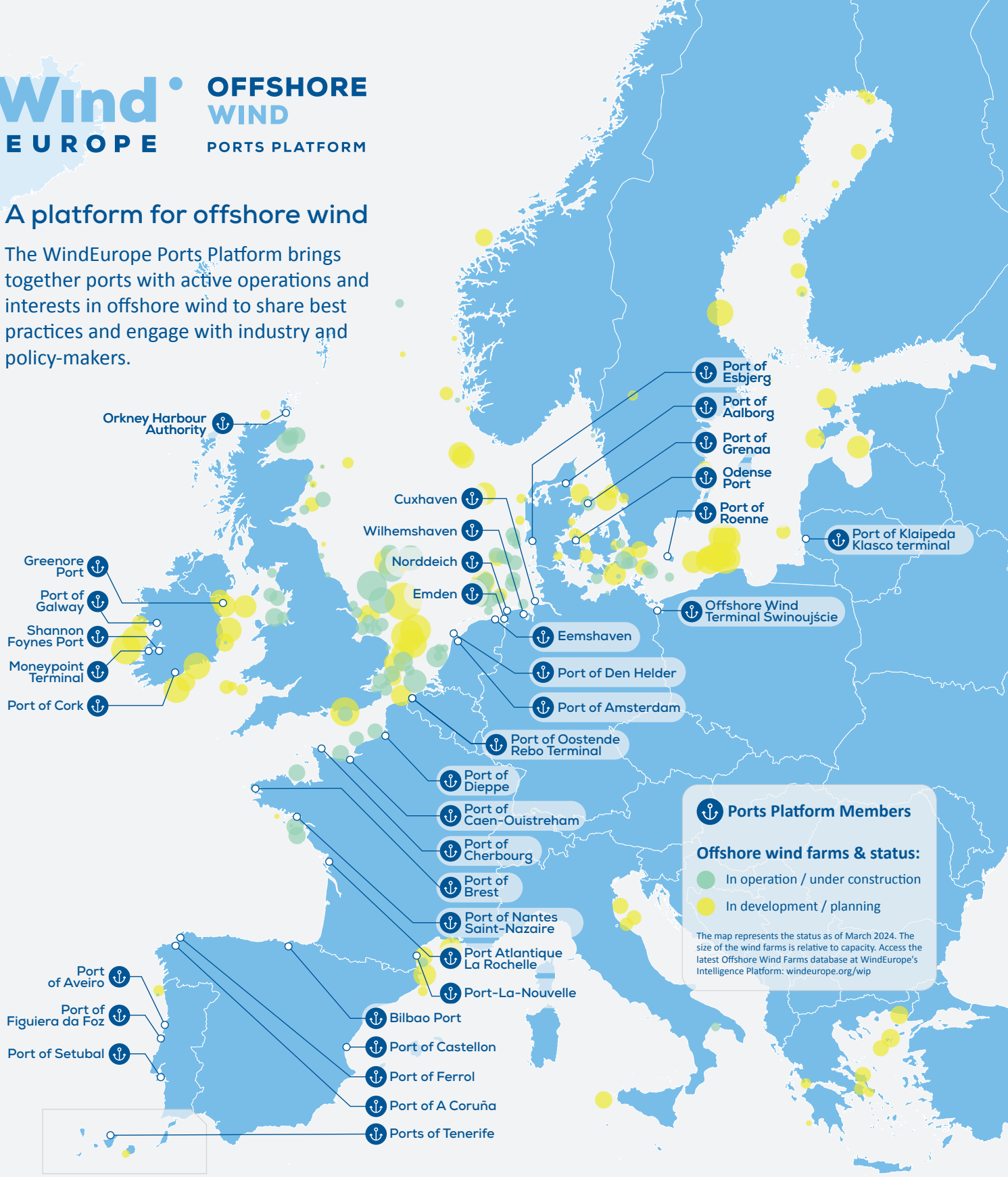
These investments will make offshore wind cheaper and bring massive savings for electricity consumers

More information in the report: *A 2030 Vision for European Offshore Wind Ports: Future trends and opportunities*.

Wind EUROPE · OFFSHORE WIND PORTS PLATFORM

A platform for offshore wind

The WindEurope Ports Platform brings together ports with active operations and interests in offshore wind to share best practices and engage with industry and policy-makers.



Interested in joining the conversation?

Contact:
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