PORTS AS KEY PLAYERS IN THE OFFSHORE WIND SUPPLY CHAIN

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 wind turbines.

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

THE EXPANSION OF OFFSHORE WIND IN EUROPE TO 2030

2022
6,000 turbines
30 GW

2030
16,000 turbines
150 GW

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.

WHAT THIS MEANS FOR PORTS

Average annual installations
Operation & Maintenance
Floating turbine assembly
Decommissioning
Renewable hydrogen

15 GW
1,200 WT/year
150 GW
16,000 turbines
10 GW
700 turbines
700 MW
300 turbines
20+ projects

INVESTMENT REQUIREMENTS

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

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

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: Diana.Barrios@windeurope.org or visit windeurope.org/ports

PORTS PLATFORM STEERING COMMITTEE

PORTS PLATFORM MEMBERS