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Building local supply  
chains in offshore  
wind -  
The Norwegian Way

LISBOA  
FUNDAÇÃO  
CHAMPALIMAUD  
17.04.24



APREN



**Norwegian  
Offshore Wind**

Sessão Orador Speaker

**Arne Vatnoy**


Communication Manager  
Norwegian Offshore Wind



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# Norwegian Offshore Wind – Supply chain

Offshore Wind Developers						
	EPCI					
Development & engineering	Turbine supply	Balance of plant	Installation & commissioning	Operation & maintenance	Life time extension & decommissioning	Ecosystem
Site investigation and surveys	Marshalling yards	Turbine foundations	Turbine installation	Maintenance services	Life time extension	Law
Design and engineering	Turbine logistics	Assembly yards	Foundation installation	Inspection services	Decommissioning	Finance
Project management	Drive chain	Electrical cables	Off shore and onshore cable installation	Vessels		Marketing
Consenting and development services	Power conversions and supplies to the turbine	Electrical systems	Off shore and onshore substation installation	O & M ports		Digitalisation and systems
		HVAC/HVDC/Substations	Installation port	Training and certification		Universities and research institutions
		Secondary steel work	Installation logistics	Monitoring		Government and other public institutions
		Mooring	Commissioning			
		Equipment for foundation and transition piece				

# How to build local supply chain?



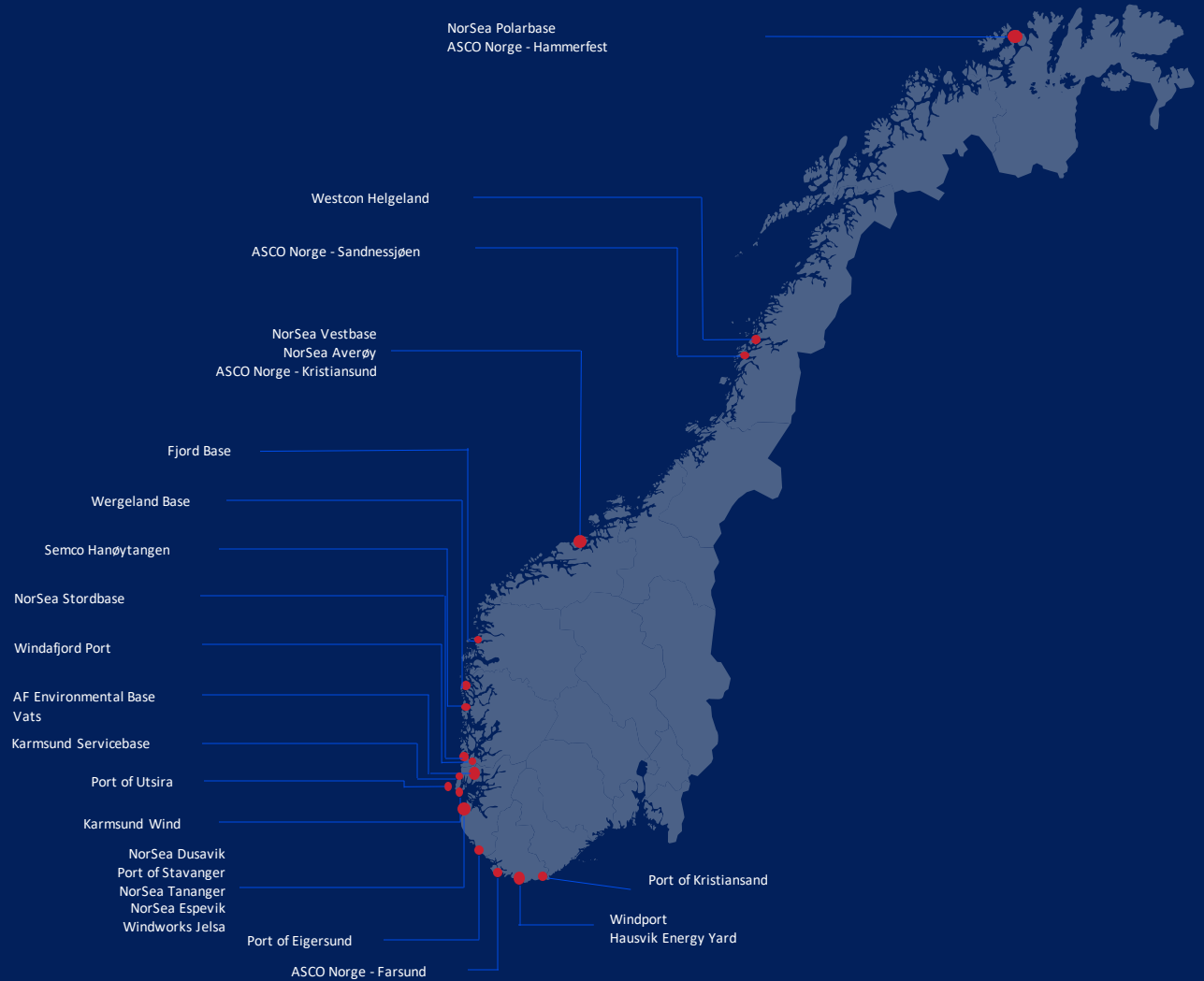
# Release the full potential in the ports

- Norwegian ports investing in offshore wind can generate NOK 8.4 billion in annual value
- Employ approximately 6,400 people by 2030.
- 14 installation and assembly ports with plans to facilitate projects for offshore wind farms by 2030
- Aim: annual installation and assembly capacity of 5 GW by 2030, equivalent to approximately 350 wind turbines annually.
- Installation and assembly ports supplying the North Sea offshore wind development should have an annual capacity of 12 GW by 2030, nearly four times the existing capacity.





# Norwegian Offshore Wind



# Testing and demonstration

- METCentre: Two floating turbines
- 8 concessions for testing
- Contract: Project must involve local supply chain
- Available slots. Qualitative criteria with stronger focus on building supply chain









# Facilitate meetings and knowledge sharing

- Boostcamp Norway: Hosting company shares best practice
- Developers Tour: Developers meeting with local supply chain
- Explore digital meeting tools





The background features a dark teal base with two large, wavy, overlapping shapes. The upper shape is a lighter teal color, and the lower shape is a vibrant blue color. Both shapes have a soft, gradient-like appearance.

Obrigado!  
Thank you!