



### Disclaimer:

This project has received funding from the European Union's Horizon 2020 Research and Innovation programme under grant agreement No 815083.

### Project details:

Duration: 1 Sep 2019 - 28 Feb 2023 Grant agreement: No: 815083

**FLOATING WIND TECHNOLOGY** 

# Introduction to COREWIND

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corewind.eu

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## Project partners and advisory board









& Marine Engineering











## **Project objectives**

COREWIND looks beyond the state of the art of the floating technology with the aim of accelerating the path towards its commercial deployment by developing and validating innovative and cost-effective solutions that allows to solve the most critical barrier of floating offshore wind technology, the cost.





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## **Project ambition**





### **Open data and** models available

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**Novel mooring** and anchoring designs

Optimized mooring and power cable designs

**Concrete-based** semisub & spar prototypes at TRL 5

Explotation plan for innovations

**Guidelines and Best Practices** 

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## **Project expected impacts and outcomes**





Wind farm lifetime ( $\uparrow$  to 30 years)

Others (Wind farm optimization,

## **Advanced numerical tools**

- 015 MW WT reference model
- o2 floater (semi-sub & spar) models

### • Design and operation tools:

- 01 BIM toolbox for floating wind industry
- 01 Open and agnostic Digital Twin for floating wind
- 01 O&M planning and assessment tool

- 01 LCOE and LCA calculation tool
- •Floating Wind Farm optimization modules for cost minimization





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