

# HEXAFLOAT

LIGHTWEIGHT PENDULUM FLOATER FOR DEEP WATER AND  
VERY LARGE OFFSHORE WIND TURBINES



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## LIGHTWEIGHT PENDULUM FLOATER FOR DEEP WATER AND VERY LARGE OFFSHORE WIND TURBINES

### LIGHTWEIGHT PENDULUM STRUCTURE

- Semi-submersible floater with tubular elements
- Counterweight connected to the floater with tendons
- Installable without heavy lifting vessels
- Minimum wave influence on the floater
- Passive ballast system
- Suitable for deep water sites
- Easy SOV and CTV accessibility
- Compatible with self-hoisting/ climbing cranes for Major Component Replacement
- Comprehensive remote inspection and monitoring solutions

### KEY ADVANTAGES

- Adapted to very large turbines (15MW+) with minimal design growth
- Low mooring loads
- Tubular structure designed for serial fabrication
- Low draft (<5m) during WTG integration
- Increased power production thanks to minimized motions

### DEVELOPMENTS

- Approval in Principle from Bureau Veritas
- Scaled-prototype installed in 2021 with Italian CNR (Consiglio Nazionale delle Ricerche)
- Full-scale demonstrator in design phase (Mistral, Mediterranean Sea), Deltafloat project



With our 2,500 MW of foundations manufactured and/or installed, by our own means, we have become a leader in offshore wind power. Our experience and our unique ability to design and industrialize complex structures allow us to provide innovative solutions while respecting the environment in order to meet the new challenges of the design of fixed and floating offshore wind farms.