

STAR 1

ROBUST BEHAVIOR COUPLED WITH QUICK AND
COST-EFFECTIVE FABRICATION SOLUTION



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LIGHTWEIGHT SEMI-SUBMERSIBLE STRUCTURE

- Star-shaped 4-column semi-submersible
- Excellent hydrodynamic behaviour and performances
- Passive Ballast System
- Safe and simple installation procedure
- Easy SOV and CTV accessibility
- Compatible with Major Component Replacement solutions
- Comprehensive remote inspection and monitoring solutions

KEY ADVANTAGES

- Very light structure benefiting from 10+ years of floating wind experience
- Floater design, block breakdown, and final assembly sequence benefits from SAIPEM's unique track record in Offshore Wind EPCI projects and in high productivity welding
- Low (<5m) draft for WTG integration.
- Installation at low or deep water offshore sites
- Optimized pre-fabrication & final assembly, compatible with **1 unit/week delivery rate**
- Design adaptable to project conditions and local industrial environments

DEVELOPMENTS

- Design certified by DNV
- DNV compliant FEED-level structural analysis performed in direct time domain on harsh oceanic conditions
- Selected for several competitive pre-FEEDs
- 20 granted patent families



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.