FLOATING WIND SOLUTIONS

NEXT STEP TOWARDS COST-EFFECTIVE FLOATING WIND ENERGY
SBM Offshore is a leading global contractor, providing floating production solutions and mooring systems to the offshore energy industry, over the full product life-cycle. The company is recognized in the industry as a key technology pioneer. The Company’s main activities are the design, supply, installation, operation and the life extension of Floating Production, Storage and Offloading (FPSO) vessels. This extensive experience is being leveraged for the Company’s Renewable Energy solutions.

**KEY FACTS**

- **SBM Offshore Wind Floater Design** - granted Approval in Principle (AIP) by American Bureau of Shipping (ABS) - includes mooring system and
- More than 500 floating systems designed, constructed and installed
- Almost 60 years of performance track record for mooring innovation worldwide
- 40 years installation track record with own fleet
- Strong financial backbone
- More than 13 years of in-house marine renewable energy technology development
- Management of large projects over the full product lifecycle
- SBM Offshore offers finance solutions
- Local partners in projects

**SBM Offshore offers a wide range of solutions for floating wind projects**

**Commercial scale floating wind projects require an experienced EPCI contractor**

- SBM Offshore has extensive performance track record of delivering floating EPCI projects on time and within budget.
- Expertise across the range from small terminals to very large floating units.
- Solutions fit for purpose from moderate to extreme environments; single units to multiple units, leveraging its standardization expertise.
The next step towards reduced cost of floating wind energy

Building on its leading experience in floating offshore systems and mooring solutions, SBM Offshore in cooperation with IFP Energies Nouvelles has developed an innovative floating wind structure that addresses the specific requirements and constraints of offshore wind turbines.

**SBM Offshore Wind Floater – Exceptional Performance**

- Reduced **tower and wind turbine loads** and better production quality through **very limited nacelle motions**
- **Lightest** structure on the market
- **No active ballast** or other active systems
- **Catenary** cable configuration
- Reduced **seabed footprint** and **no chain contact with seabed**
- Reduced risk through **field proven** components

**SBM Offshore Wind Floater – Optimized Installation**

- Anchoring compatible with all **soil conditions**
- **Limited draft** allowing quay-side wind turbine installation
- **Wet tow** with tugs
- Installation **reversible** for major maintenance or decommissioning

**SBM Offshore Wind Floater – Industrialization**

- **Flexibility** and supply chain based fabrication / assembly through modularity
- **No dry dock** required
- Assembly with **standard yard means**

SBM Offshore has been selected by **EDF Energies Nouvelles** to provide its proprietary floating wind solution (supporting 8 MW wind turbines) for a pilot project to be installed in the Mediterranean Sea*.

*The project is subject to achieving committed financing, which would result in a contract to include engineering, procurement, construction and installation services for three floating systems to be installed offshore France.
FULL LIFE-CYCLE COMMITMENT TO PROJECT SUCCESS

Technology ability & know-how

With its global presence and French-based R&D Testing Centre in Carros, SBM Offshore is well-positioned to contribute to the evolution of technology for the Offshore Renewables industry. SBM has also been developing a new generation of breakthrough Wave Energy Converter.

KEY FACTS

• 2% of annual revenues re-invested in Technology development
• 100+ staff in global team dedicated to Technology
• 170 active SBM Offshore patent families
• 2,900m mooring water depth achieved using SBM Offshore’s Technology

Further contributes to reduction of floating wind cost of energy

The sole intention of this factsheet is to share general information.

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