





SBM Offshore

Our Business, from development to operation

















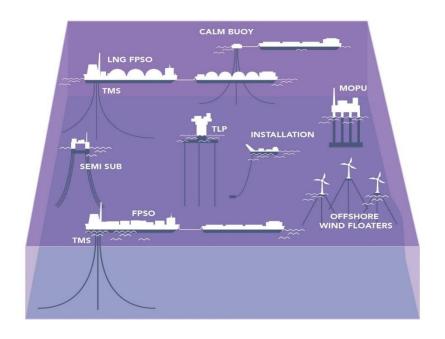






SBM Offshore

Global tier-1 contractor for floating production



Over > **50** Floating **320** years Production of operating **Systems** experience Only set of **FPSO** specific standards in the industry

BETTER PERFORMANCE, DELIVERED FASTER

TLP Semi-Sub CALM Buoy MOPU

OFFSHORE

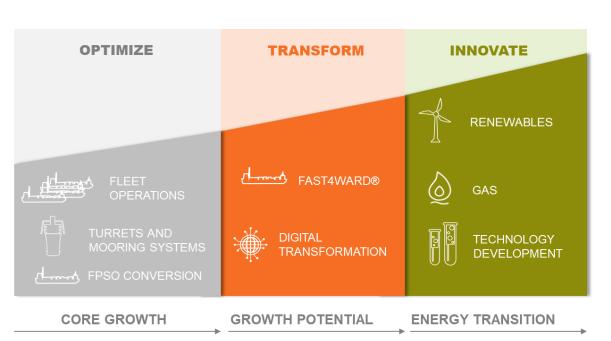
Tension-Leg Platform
Semi Submersible Platform
Catenary Anchor Leg Mooring Buoy
Mobile Offshore Production Unit

FPSO LNG FPSO TMS Floating Production Storage and Offloading vessel Liquefied Natural Gas FPSO Turret Mooring System



SBM Offshore

Committed to Renewable Energy for over a decade



Renewables

Floating Wind

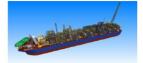


Wave Energy



Gas

Newbuild FLNG



LPG Producer



Gas Turret



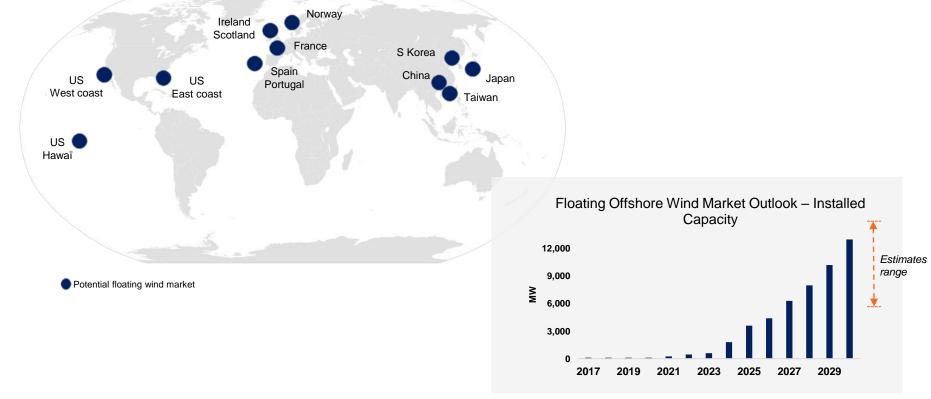




ENERGY. COMMITTED.

Floating Offshore Wind markets developing

Priority and potential markets



Flo

Floating Wind development Plan

CONCEPT CERTIFICATION

OFFSHORE



2016-2018

DEMO PROJECT(S)



2018 - 2022

1st FLOATING WIND FARM(S)



2022 - 2025

COMMERCIAL PIPELINE



> 2025

Technology development and demonstration

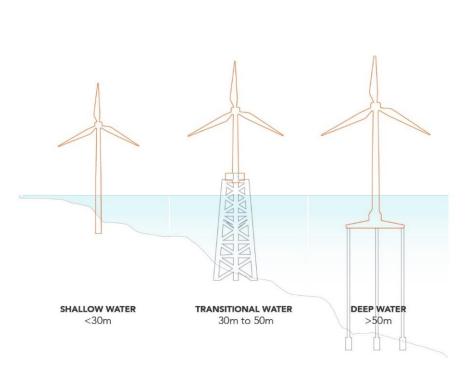
Industrialisation and calibration to LCOE



OFFSHORE

SBM Offshore wind floater concept

Principles and benefits







STRONG COUPLED AERO-HYDRO DESIGN CAPABILITIES





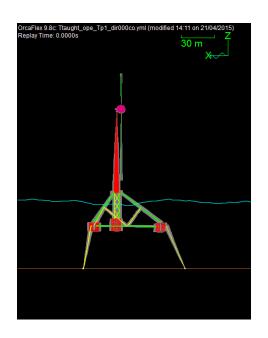
SBM Offshore wind floater

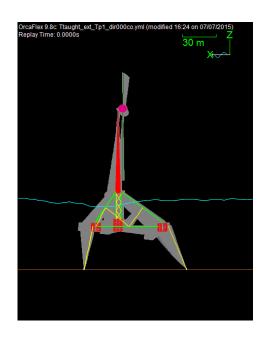
Performance





Limited seabed footprint





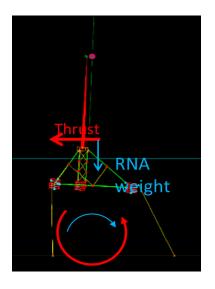
Low acceleration / motion at nacelle No active ballast

SBM Offshore wind floater

Industrialization

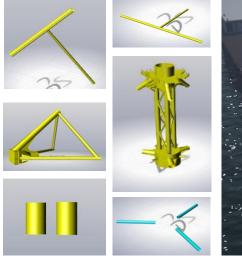


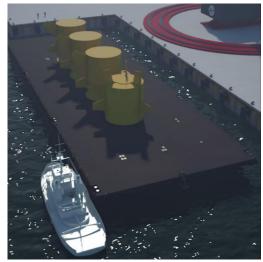
WTG interface



Reduction of tower base moment

Fabrication and Delivery





Modularity for supply chain based execution

OFFSHORE



SBM Offshore wind floater concept

Fast and easy installation



Assembly









Assembly with standard yard means

WTG integration



Shallow draft for WTG installation

Towing and Offshore installation





Wet tow with conventional means

Use of conventional anchors



SBM Offshore wind floater

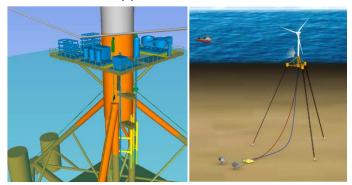
Large range of applications



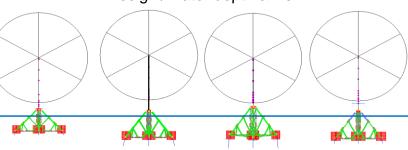
Case studies ongoing representative of targeted markets

- selected between 100m and 1000m,
- from 6MW to 15MW WTGs,

Application for O&G



Design / water depth & Hs



Hs 8,5m Water Depth 100m Hs 12,8m Water Depth 100m Hs 12,8m Water Depth 200m Hs 14,9m Water Depth 400m





The oceans will provide the world with safe, sustainable and affordable energy for generations to come.





ENERGY. COMMITTED. OFFSHORE

© SBM Offshore. All rights reserved. www.sbmoffshore.com