



Odfjell Drilling – from pioneers in MODUs to pioneers in MOWUs





From electrifying oil and gas installations to permanent floating wind parks

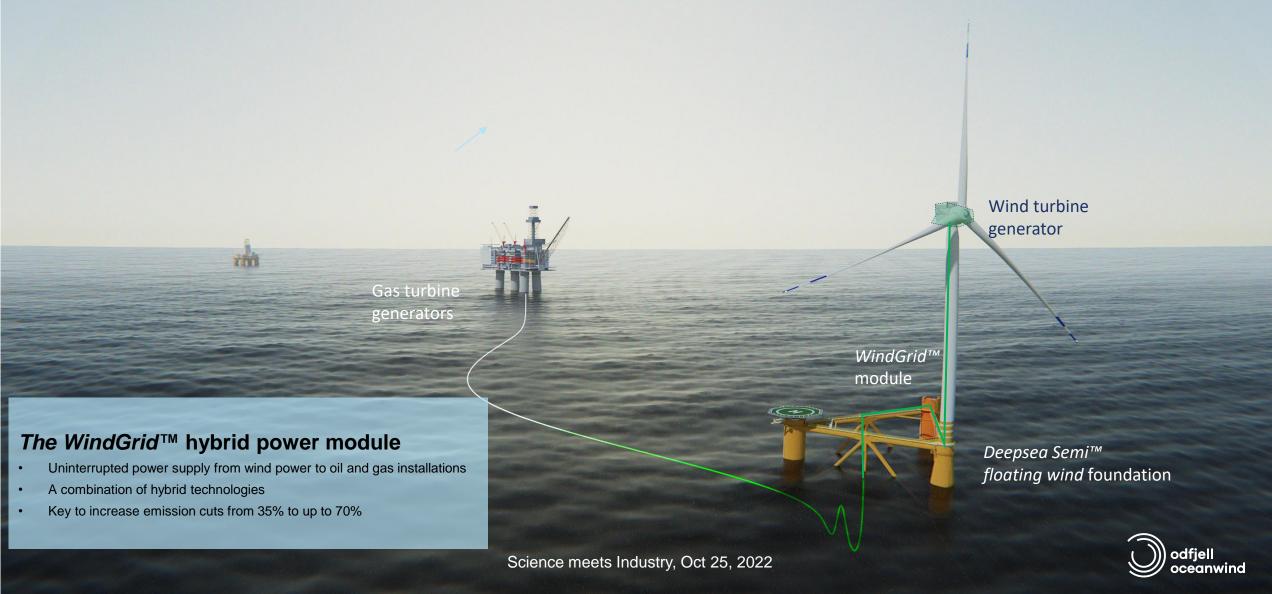
Short term

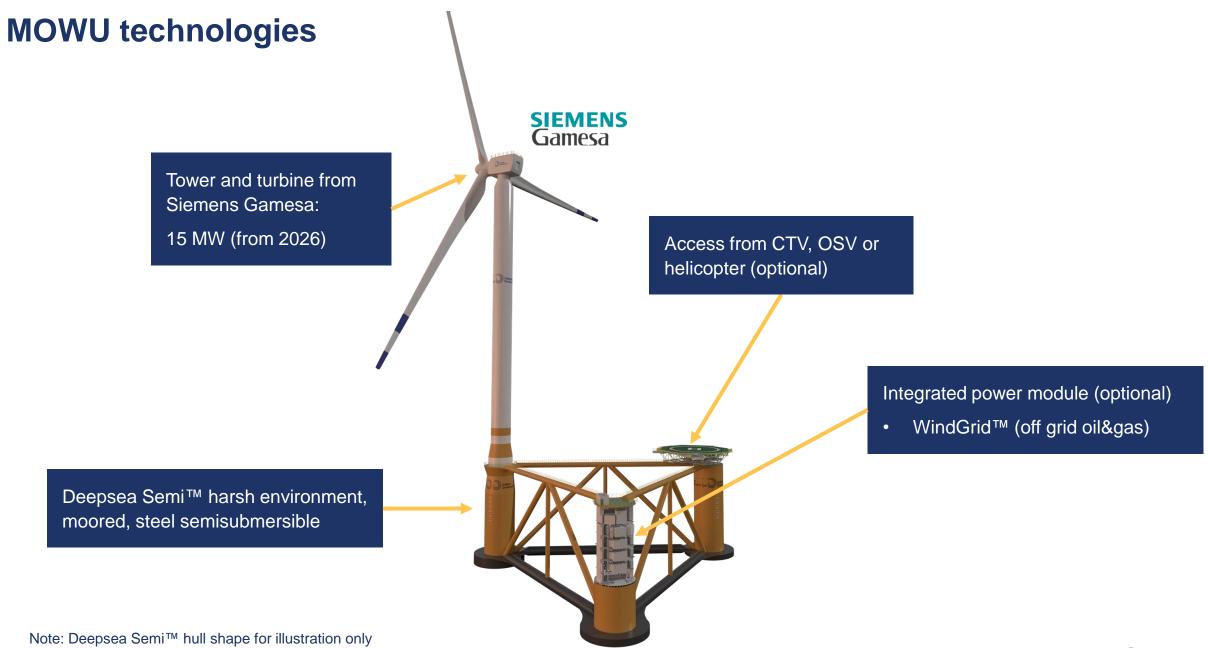


Longer term



Electrifying "off grid" oil and gas installations with offshore wind







Multi-locational, standardised design

The MOWU can be deployed in the harshest of environments

Environmental design

- Designed for harsh environments
- Class covering the North-, Norwegian and Barents Seas
- Multi-locational can be redeployed to new locations

Mooring

- > 3 or 6 point mooring system depending on application
- Combination of chains and fibre rope
- ▶ Generic mooring designs completed for water depths 60 – 1100+ meter
- Drag embedment or suction anchors

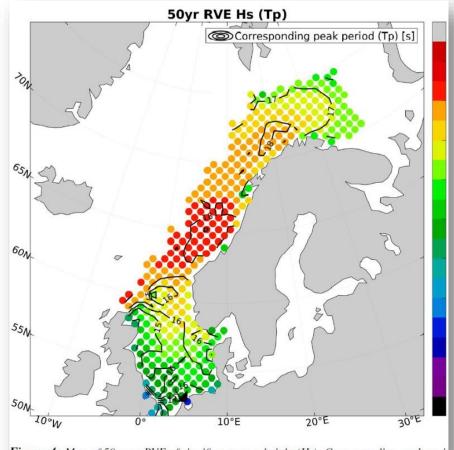


Figure 4: Map of 50-year RVE of significant wave height (Hs). Corresponding peak period

Deepsea Semi[™] Hull Design – Historical timeline

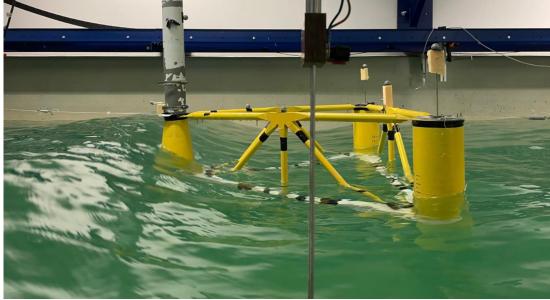
AiP: Approval in principle

ILA: Integrated load analysis

MSA: Main Scantling Approval









The WindGrid™ Module

Highlights

- Function: seamless integration with gas turbine generators in offgrid mode
- The Power Module secures power distribution, grid stability and energy storage
- Main components:
 - Battery modules (energy storage)
 - Converters (energy control to/from batteries)
 - Transformers (secure correct voltage level)
 - Switchgear (power distribution)
- The Power Module is developed in cooperation with Siemens Energy
- The functionality of the system has been verified by independent third party (DNV)
- Design status: mature, ready for detail engineering

