

Floating Wind Solutions

Hywind Tampen Project - Driving Commercialization With Collaboration

Karl Daly – Vice President Offshore Wind



Organized by  



The Marriott Marquis, Houston 1-3 March 2022

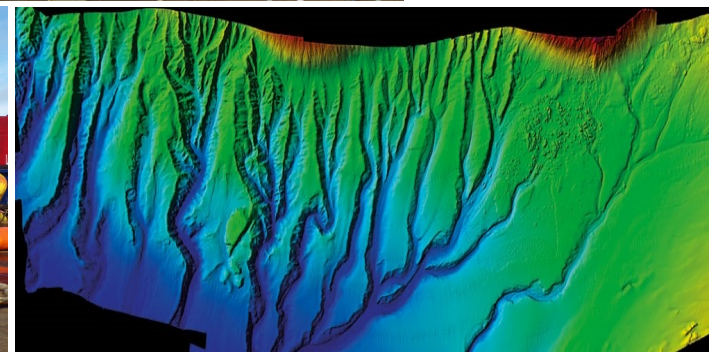
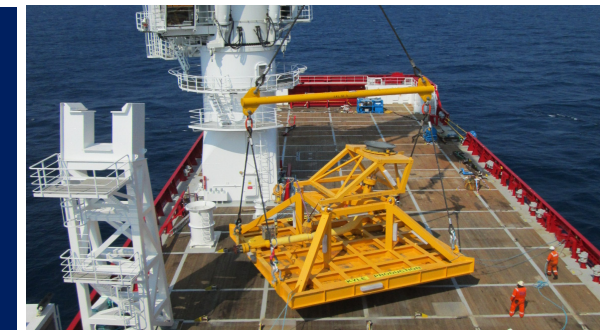
Turnkey solutions to the energy sector

DOF Subsea is a global **subsea contractor** offering integrated subsea solutions and solving safe and reliable solutions across research, renewables, fish farming and oil & gas segments;

- Seabed Mapping, Route Surveys and Survey & Positioning
- Offshore Wind
- Inspection Maintenance Repair (IMR)
- Construction Support & SURF
- Moorings and FPSO
- Decommissioning



“ Integrated subsea and marine services – whenever and wherever you need them – for seamless project delivery. ”



DOF Group has a fleet of 59 Subsea, AHTS and PSV vessels, serving our clients and projects on a global basis



DOF



33 DOF ASA owned PSV
and AHTS vessels

DOF Subsea



26 DOF Subsea owned
and operated vessels

Maintaining ESG segment leader status



2021

Financial Times announces “Europe’s Climate Leaders 2021”

In May of this year, using a set of company-related criteria, the Financial Times, in cooperation with an independent data company, announced that DOF was included among their “Europe’s Climate Leaders 2021”.



2020 A-

Carbon Disclosure Project score

Tenth year of participation
Top-30% for Environmental Stewardship



3.09 (A-)

ESG 100 score

The Governance Group (TGG) conducted an independent review of DOF’s sustainability reporting activity in 2020.

DOF received a score of 3.09 (A-) using the ESG 100 method. DOF’s total ESG score ranks well above the 100 largest (by market cap) companies on Oslo Stock Exchange average of 2.59 (B).



Top-5

Scoring in the Nordics

Amnesty International’s acknowledgment in June 2020 placed DOF in the top-5 global companies based in the Nordics with the best score related to human rights and responsible employers.

Institutions focused on environment, social, and governance continue to give positive feedback to DOF’s efforts and results.

Hywind Tampen Project - Driving Commercialization With Collaboration



- **Hywind Tampen** is an 88 MW floating wind power project. It will help power Equinor's Snorre and Gullfaks offshore field operations in Norway. It will be the world's first floating wind farm to power offshore platforms.
- **Hywind Tampen** will be the world's largest floating offshore wind farm and an essential step in industrialising solutions for future floating wind farm projects

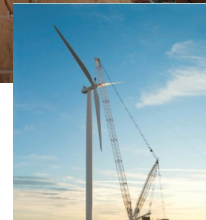
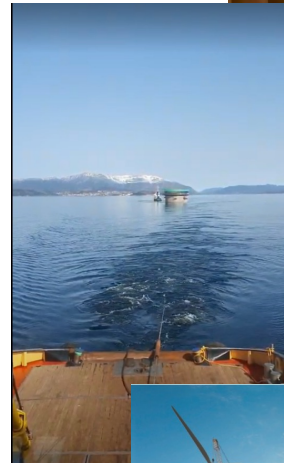


Our role in Hywind Tampen

DOF Subsea personnel are part of the Project Management and Engineering teams working for Aker Solutions (AKSO) on the EPCI contract with Equinor.

The KDS JV between Aker Solutions and DOF Subsea execute a subcontract to AKSO for assembly site management, mooring system pre-installation, FWT assembly, tow-out and installation offshore.

Tendering 2018-2019
Contract award 2019 (Oct)
Due for completion 2022 Q3



Collaboration driving Commercialization



- Fabrication
- Engineering
- Concrete Slip Forming
- Mechanical Outfitting



- Marine Operations
- Project Engineering
- Assembly site management
- Tow & Installation



KDS Joint Venture

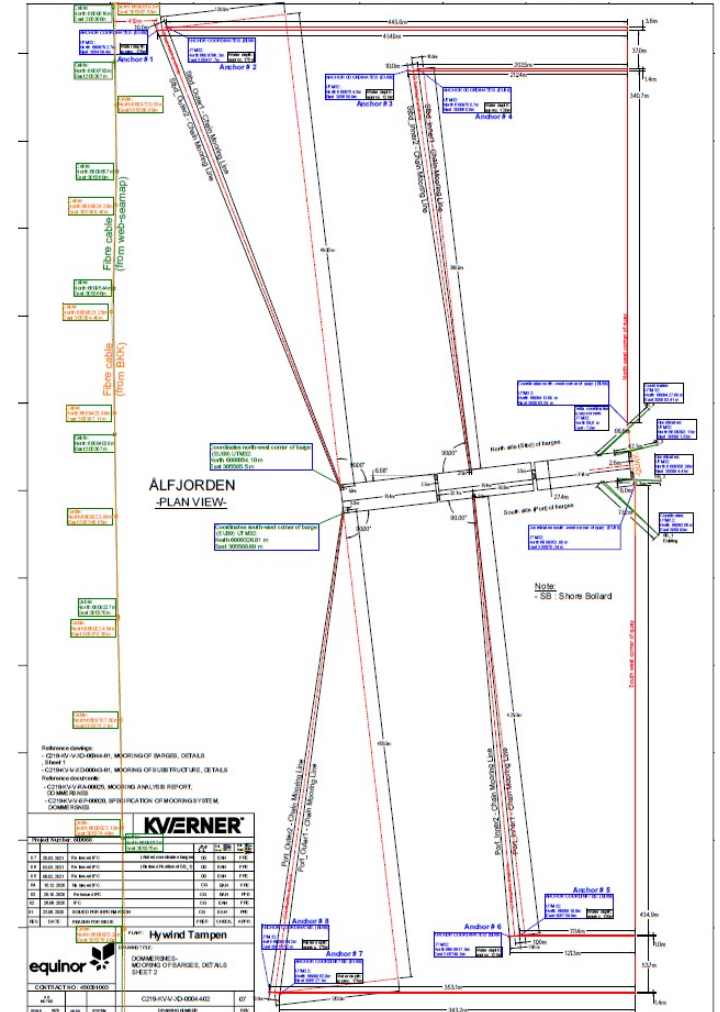
- Combines complimentary expertise
- Reduces interfaces
- Increases collaboration
- Drives efficiency
- Reduces risk



Creation of the Foundation Assembly Line

Preparation of Dommersnes Site

- Three North Sea barges connected to form assembly line dock
- Anchor test loads 190t
- Large loads in the system, built in flexibility
- Fiber optic cable, recently installed

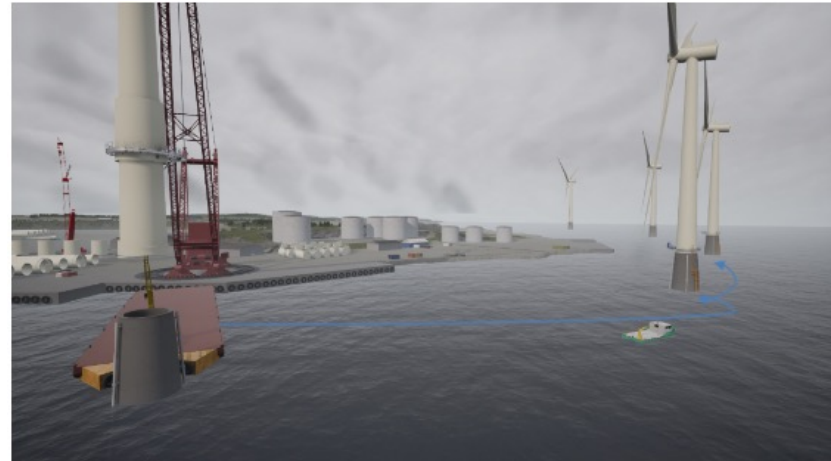


Dommersness Foundation Assembly Site



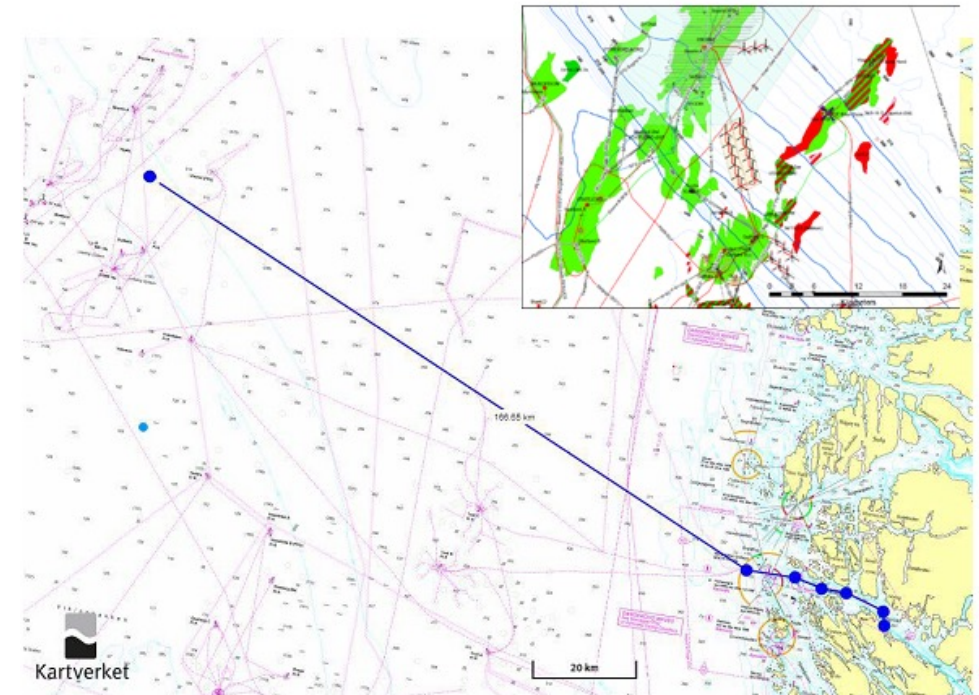
Scope of Work 2022 – WTG Assembly Site

- Principle contractor for the assembly location at Wergeland Base in Gulen.
- Receipt, storage, preparation and loadout of WTG parts
- Install 3 off mooring locations for commissioning
- Outfit and install one off assembly barge
- Perform mooring of substructure during assembly operation
- Coordinate all contractors on site (Wergeland Base AS, Siemens, Mammoet and substructure contractor)



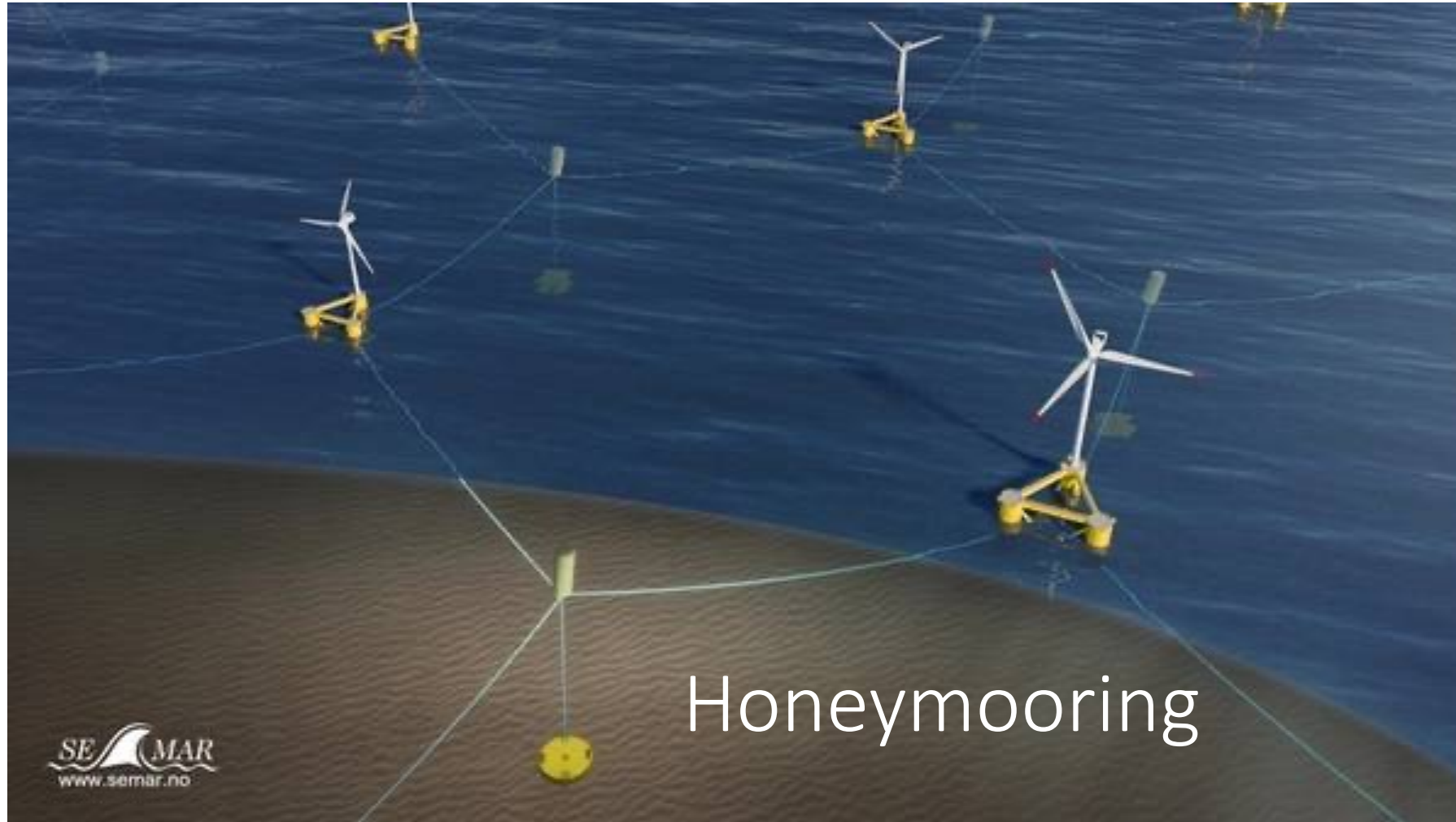
Scope of Work 2022 – Offshore Marine Ops

- Receipt, storage, preparation and loadout of mooring system
- Pre-installation of mooring system (incl. tensioning to 300Te for 30min)
- Tow of Floating Wind Turbine (FWT) to Hywind Tampen offshore site
- Hook-up of FWT to the pre-installed mooring system





Structural Engineers and Marine Consultants





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offshore energy producers
integrated offshore
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Thank you

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