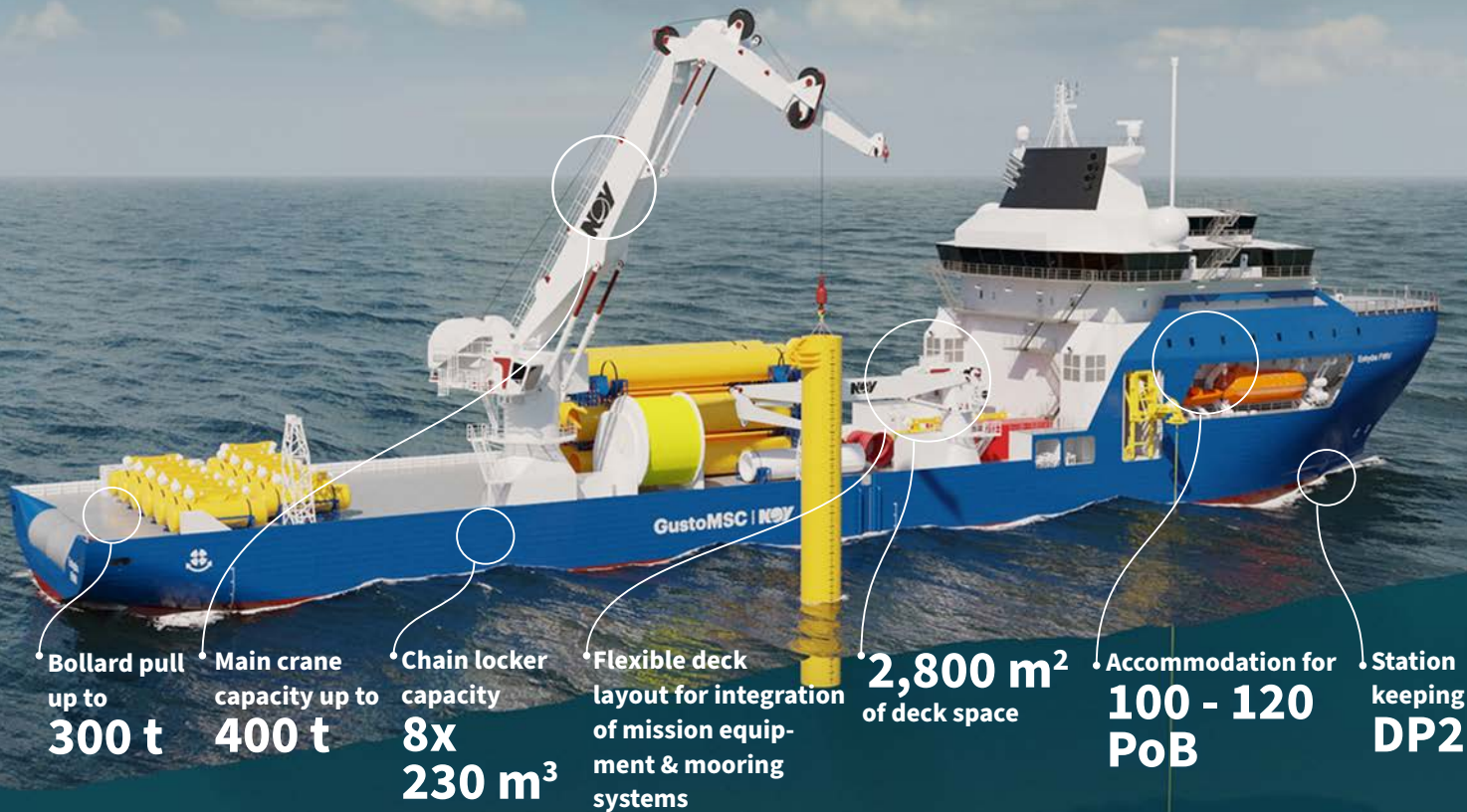


Enhydra FWIV

Enabling floating offshore wind



Enhydra Floating Wind Installation Vessel (FWIV)

GustoMSC's Enhydra Floating Wind Installation Vessel (FWIV) is purpose-built for the safe, efficient, and flexible installation and hookup of floating offshore wind farms. The vessel's modular and integrated design enables the installation of multiple foundation types, mooring systems, and dynamic cables, streamlining complex offshore operations.

The GustoMSC™ vessel design offers a flexible deck layout for mission equipment integration, including electric subsea cranes from our Lifting and Handling group and Remacut™ cable-lay systems. The Multilayer Active Heave Compensation enhances safety, and the PowerBlade™ energy recovery system reduces emissions.

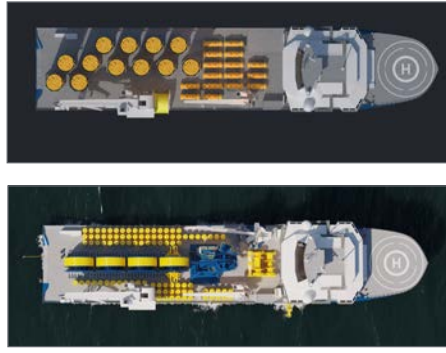
Features

- Methanol-powered, providing zero SO_x and reduced NO_x emissions
- Integrated yet modular mission deck equipment
- Can operate in sea states of 3.5 m H_s
- Designed for 100 to 120 people on board
- Superior crew welfare facilities
- Deck and locker capacity for up to three sets of mooring systems, based on 12 anchors
- 2,800 m² of free deck space
- Energy storage system, power regeneration, and shore power compatible
- Motion-compensated gangway

The Enhydra series can be fully customized to owner's specific requirements



Enhydra FWIV - mooring operations



Enhydra FWIV top views



Inspired by nature

The Enhydra series design characteristics resemble the sea otter's (Enhydra) unique and physical behavioral features. The sea otter is the sole marine mammal to use tools and it uses its streamlined body design to efficiently perform deep dives to the seafloor and adapt its lung capacity to float effectively on the surface.

Main characteristics FWIV

Hull	
Length overall	150.6 m
Length between perpendiculars	138.5 m
Breadth	30.8 m
D main deck	11.9 m
Draught	8.5 m
Deadweight	16,600 t
Speed	14 kn
Autonomy	50 days
DP class	2
Bollard pull	up to 300 t
Accommodation	100 - 120 PoB

Power generation & utilities

Installed power	21,600 kW
# Generator sets	6
Methanol or MGO powered	3,600 m ³
Alternative fuel capacity	1,700 m ³
Battery capacity	500 kWh
Fresh water	480 m ³

Propulsion and DP

Tunnel thrusters	2 x 3,150 kW
Azimuth thrusters	1 x 3,500 kW 3 x 3,200 kW
Total thruster power	19,400 kW

Classification, regulations

DNV or ABS Crane Vessel Notation
 DP2 station keeping notation (upgradable)
 IMO - Special Purpose Code

Mission equipment

Gangway System	
Compensation	Fully compensation 6 DOF
Length	30 m
Cargo	Yes (trolley & integrated crane)

Main crane	
Type	knuckle boom
SWL	400 t
Outreach	19 m
Max outreach	40 m
Compensation	Yes, motion compensated

2nd crane	
Type	Knuckle boom
SWL	28 t
Outreach	6 - 35 m
Compensation	No

Helideck	
Size	26 m (Sikorsky S-92 capable)

Additional equipment	
ROV	Yes, inclusive of launch system
Drone/AUV	Yes, optional
Vertical Lay System	

GustoMSC services

Providing the basic design package including all services required to obtain Class approval.

After Market activities throughout the lifetime of the unit. This includes, consultancy, engineering support, etc.

Data presented in this product sheet is for information only and subject to change without notice.