



OFFSHORE SUPPORT VESSEL 9020

CONCEPT

GENERAL

Basic functions

The vessel is designed for a large variety of offshore support tasks:

- Offshore hoisting operations
- ROV operations
- Saturation diving
- Submarine rescue operations
- Offshore access operations
- Inspection, repair and maintenance campaigns

DIMENSIONS

| | |
|--|--------------------------|
| Length overall | 90 m |
| Beam moulded | 20 m |
| Depth moulded | 8 m |
| Draught | 4.5 m |
| Deck area (depending on configuration) | Up to 900 m ² |

TANK CAPACITIES

| | |
|-------------------------|--------------------|
| Fuel oil (service) | 900 m ³ |
| Potable water (service) | 300 m ³ |
| Roll reduction | 150 m ³ |

PERFORMANCES

| | |
|-----------------|-----------------------------------|
| Station keeping | Up to sea state 5 with redundancy |
| Speed | 13 kn |

PLATFORM DESIGN

| | |
|------------------|---|
| Hull design | The hull is primarily designed for station keeping in adverse weather conditions for long durations of time |
| Power generation | Hybrid diesel electric, supported with batteries. Capable to operate in closed bus mode for low fuel consumption, emissions and maintenance needs |
| Thrusters | 4x identical azimuthing thrusters for unrivalled station keeping and low noise levels. |

ACCOMMODATION

Capacity 49 cabins; up to 120 persons total on board
The accommodation is fitted with configurable offices and various leisure spaces which can be arranged as sport rooms, cinema's, game room's or other. Common spaces are arranged to achieve efficient logistics on board.

CONFIGURABLE MISSION EQUIPMENT

| | |
|-------------------------|--|
| Dive support | Moonpool-deployed saturation dive system to allow diving operations at water depths of up to 300m with 12 persons. |
| ROV support | Moonpool-deployed and/or over-the-side deployed Work-class ROV LARS systems |
| Crane / A-frame | Heave compensated, with capacity up to 200 tons |
| Submarine rescue system | Designed for NATO standardized modular system |
| Offshore access system | Motion compensated gangway with / without elevator Davit-launched daughter craft for 12 persons |

CARBON FOOTPRINT REDUCTION

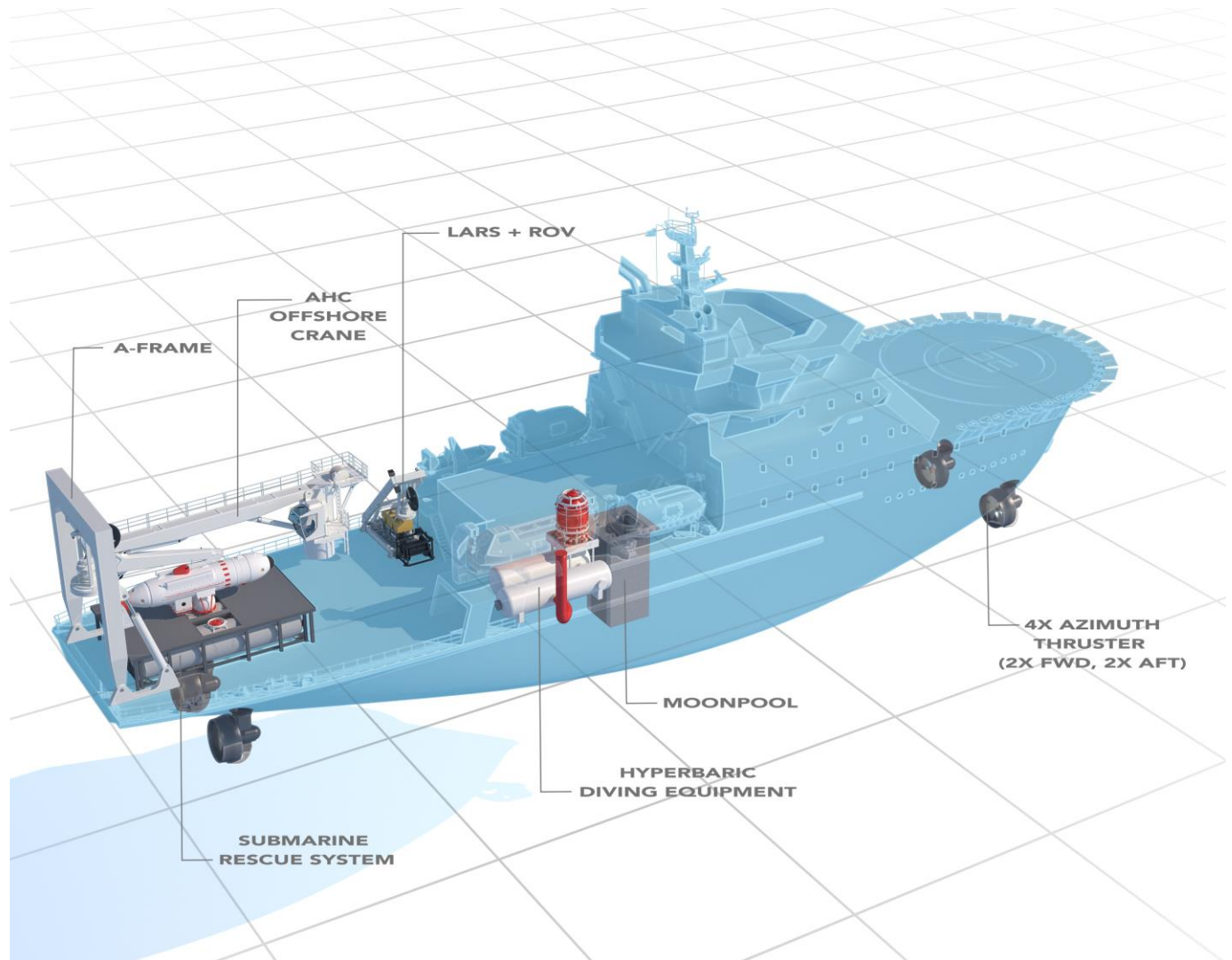
Standard the vessel is fitted with a hybrid power generation system, already resulting in low emissions.

However, the vessel can optionally be delivered to operate at green methanol, produced from biological waste streams. This allows the Owner to further reduce well-to-propeller CO₂ emissions with approximately 70%.

Green methanol is easy to bunker at most relevant ports in the world. It is easy to handle it safely on board. It is affordable. And methanol hardly sacrifices any design capacity of the vessel. In other words: we don't need a larger ship for a good endurance. This is in great contrast to other alternative fuels which are being considered for shipping industry.

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CONCEPT



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