



VESSELS Construction

Our Values



Safety



Integrity



Sustainability



Performance



Collaboration



Innovation

subsea 7



Simar Esperança

Vessel Info

Full specification overleaf

Simar Esperança is a construction vessel, capable of working in water depths of up to 3,000m.

- Length 103.70m x breadth 19.70m
- Deck area 1,150m²
- Heave compensated 150t crane
- Class II DP System
- 2x work-class ROVs

Fast Facts

- Operational capabilities from 15m to 3,000m water depth
- Operational deck space of 1,200m² with a load rating of 10t/m²
- Moon Pool 7m x 7m at vessel centre available for various types of operations
- Within DNV Compliance of IMO Resolution on Ship Recycling, Green Passport, Part 1



Simar Esperança

General Information

Classification	DNV 1A1 Clean COMF(V3) DK(+) DYNPOS(AUTR) E0 HELDK(S) Ice(C) SF
Built	Ulsteinvik, Norway 2008
Flag State Authority	Bahamas

Principal Dimensions

Length Overall	103.70m
Breadth	19.70m
Depth (to main deck)	7.70m
Draught	6.20m
Deadweight	4,500t
Gross Tonnage	5,275t
Net Tonnage	1,582t

Main Deck

Cargo deck area	1,150m²
Main deck totally clear area	850m²
Mezzanine deck area	290m²

Tank Capacities (100%)

Fuel oil, total	2,055m³
Fresh water, total	1,036m³
Water ballast	2,822m³ (incl. 398m² of roll reduction and 769m³ of anti-heeling tanks)

Lubrication oil	43m³
Fresh water maker capacity	25m³/d
Garbage incinerator	

Power and Propulsion

Main generators	4x Cat 3,516HD, each 2,188kW
Auxiliary generator	1x Cat 35,088, 968kW harbour gen set 1x Caterpillar C9, Emergency gen set 189kW
Emergency generator	
Main azimuth thrusters	2x each 2,000kW (El. Driven R-R FP AZP100)
Fwd. azimuth thruster	1x 883kW (El. Driven RR Ulstein Aquamaster UL1201 FP)
Bow thruster	2x 1,050kW (El.Driven RR Kamewa Ulstein Tunnel Thruster TT2200 DPN CP)

DP Systems

DP Classification	DP - Class II
DP System	K-POS DP-22
Reference Systems	1x HiPAP500 1x Light Weight Taut Wire MK 15 1x Fanbeam 5 2x DGPS 3x Gyro Compasses 2x Wind Sensors 2x VRS

Performance

Transit speed	12kn approx.
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Helideck

Valid for helicopters with	Maximum 'D' value: 20.9 Maximum take-off weight: 12t
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ROV Systems

Mezzanine deck portside	Hercules 29 (Mk2 type), rated 3000m
Mezzanine deck starboard	Hercules 17 (Mk2 type), rated 3000m

Both work class ROV's with operational capability of 4.5m Hs launch/recovery weather criteria, rated 3000m

Cranes

150t knuckle boom jib offshore crane (100t - heave compensated and constant tension) with an operational depth of 3000m (wire length). Focus on hoisting speed / capacities – clients requirements designed for up to 3,000m water depths. Two 5t provision cranes - port and stbd.

Accommodation

Berths	92
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Our Differentiators



Culture



Creativity



Relationships



Reliability



Solutions

The Subsea 7 fleet comprises of vessels that have exceptional versatility, capable of operations worldwide including; pipelay, construction, survey, remote intervention, diving support, heavy lifting operations, renewables and decommissioning.