



VESSELS

IRM and
Light Construction

Our Values



Safety



Integrity



Sustainability



Performance



Collaboration



Innovation



i-Tech⁷

Siem Spearfish

Vessel Info

Full specification overleaf

Siem Spearfish is an IRM, Construction and Installation services vessel.

- Length 120.9m x breadth 23m
- 1350m² deck cargo area
- Accommodation for 110 persons with low noise levels
- 250t AHC crane
- 2x Work-class ROVs
- Work moonpool 7.2m x 7.2m

Fast Facts

- Designed and equipped for subsea operations such as Construction, Installation, Inspection, Survey and Maintenance
- Equipped with 2x WROVs located within an integrated ROV Hangar
- Vessel is of clean design and environmentally friendly with focus on low fuel consumption
- Hull form and bow shape optimise vessel for enhanced sea keeping abilities in rough weather.



Siem Spearfish

General Information

Classification	Det norske Veritas (DnV) or similar IACS: DNV *A1, E0, DYNPOS-AUTR, DK(+), HELDK-SH, ICE-1B (hull only), ICE-C, SF, BIS, CLEAN DESIGN, RECYCLABLE, NAUT-AW, Comf- V(3)-C(3), SPS Resolution MSC.266(84), Code of safety for special purpose ships. Norway 2008 Bahamas
Built	Norway 2008
Flag State Authority	Bahamas

Principal Dimensions

Length Overall	120.9m
Length between p.p.	110.8m
Breadth moulded	23.0m
Depth main deck	9.0m
Deck cargo	3,100t COG = 1.0m above deck
Cargo deck area	1,350m²
Deadweight	5,000t at max draught

Power and Propulsion

Main Rolls Royce Propellers	2x Frequency controlled azimuth thrusters, 3,000kW each
Side Rolls Royce Thrusters	1x El. driven 900kW, freq. controlled 1x El. driven swing-up thruster 1x 500kW, freq. controlled
Machinery Systems	4x F.O. service tanks, 1x F.O. settling tanks, 1x (+2) F.O. transfer pumps, 2x W.B. pumps 2x F.W. pumps, 2x F.O. separator, automatic selfcleaning type, 3x L.O. transfer pump, 4x L.O. separator, automatic selfcleaning type, 2x Hydraulic oil transfer pumps, 1x MEG pumps, 2x SW cooling pumps for deck equipment
Main generators	4x 2,760 eKW, 690v, 60 Freq.Hz, 720 Rpm, Main diesel engine - Wärtsilä
Harbour generator	1x 750 eKW, 690v, 60 Freq.Hz, 1,800 Rpm, Cummins
Emergency generator	1x 185 eKW, 690v, 60 Freq.Hz, 1,800 Rpm, Cummins

Tank Capacities (100%)

Fuel oil	1,400m³
Ballast water	5,400m³
Fresh water	730m³
MEG	300m³

DP Systems

Joystick system	Integrated manoeuvre control of azimuth propellers and side thrusters
DP II system	Kongsberg K-Pos DP-21 DP II (Dynpos AUTR) system according to specified class.
Reference systems	DPS 700, 2x HiPap 501 w/long pole, Radius 1,000D, Cyscan 1,000m range
Sensors	2x MRU 5, 1x MRU D, 3x windsensors, 1x deepwater echosounder (4,000m), 3x Gyro compasses

Cranes

Offshore Crane	1x SWL 250 tons main line, 14m AHC 20 tons whip line, 40m AHC Knuckle boom offshore crane., depth cap. 3,000m Man riding 10t/40m on whipline
Deck Crane	1x Provision crane, 3t - 15 meter 1x Foldable crane for equipment handling to be arranged in ROV hangar. Capacity 1t - 16m.

Main Equipment

Mooring winches aft Windlass	2x 10t each 2x with cable lifters, warping ends and drums
Mooring Platform	2x Hydraulic / electric operated

Moonpool

Work Moonpool	7.2 x 7.2m
ROV Moonpool	5.5 x 4.8m
ROV Hangar	1x Seaonics Overside LARS - 15t / 3,000m AHC 1x Seaonics Moonpool LARS - 15t / 3,000m AHC

Accommodation

Accommodation	110 people 34 single cabins, 38 double cabins
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Safety Equipment

Lifeboat	4x with davit according to SOLAS (95 kgs per pax) 1x classed as MOB boat 1x FRC with el. Hydraulic davit
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Helideck

The vessel is equipped with a helideck, dia. 26.1m suitable for Sikorsky S-92, holding DNV-class "HELDK-SH".

Comms Systems

Communication equipment according to GMDSS requirements for Area 3 operation with equipment duplication and shore maintenance utilised to assure availability and sufficient internal communication systems are installed.



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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.