

## Vessel Info

Full specification overleaf

Seven Arctic is a construction vessel suitable for worldwide operations, adapted for both tropical and winter environments, capable of operations in water depths up to 3,000m.

- Length 162.3m x breadth 32.0m
- 1,000t AHC Offshore Crane
- 600t top tension (tiltable) lay system
- 7,000t underdeck basket for storage of flexible pipe/umbilicals
- Accommodation for 132 persons
- Deck Area 2,600m<sup>2</sup>
- DP Class III with two engine rooms
- 5,400t deck load, 5m above main deck
- Special Purpose Ship code compliant
- Transit speed 15 knots
- Twin work-class ROVs

## Fast Facts

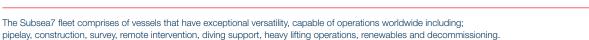
- Large back deck and underdeck carousels to perform heavy construction and flex-lay scopes simultaneously
- 1,000t crane with multiple modes for topside and subsea lifting including over stern and starboard side
- Hybrid power for reduce fuel and emission
- Design operation capability to -20C
- Selective catalytic reduction (SCR) system installed providing cleaner operations
- Twin propeller shaft providing high bollard pull and transit speed



## subsea7

General Information		Power and Propulsion		ROV Systems		
Type Classification	Heavy Construction/Flex-lay Lloyds Register. +100 A1 Offshore Supply Ship, Helicopter Landing Area, WDL(+), *IWS, Winterisation H(-30), S(C), ECO (OW, P). Ice Class 1D, +LMC, CAC3, UMS, DP (AAA). Descriptive Notes: ShipRight (ACS (B)), ShipRight (BWMP (T)), ShipRight (SERS), ShipRight (SCM), ShipRight MPMS, ShipRight (IHM+). Winterisation	Main Engines / Power (kW) Generators / Power (kW) Propulsion / Power (kW) Thrusters / Power (kW) Azimuths / Power (kW) Batteries / Power (kW)	6x HiMSEN 9H32/40 / 4,500kW 6x HHI HSJ7 915-10P / 4,220kW 2x Controllable pitch propeller shafts / 9,200kW 4x Tunnel Thruster (2 Fwd, 2 Aft) / 2,600kW 2x Retractable Azimuth Thruster (Fwd) / 2,300kW 3,750kW / Spinning reserve 1,424kWh.	superstructure, deployed Helideck Type	2x work-class ROV 3,000m bort and starboard side at aft end of over the side on rail-guided cursors. 26.1m x 26.1m octagonal ble for Sikorsky S-92 with perimeter nonitoring system.	
	Features, LI, EDD.	DP Systems		Accommodation		
Built Flag	Hyundai Heavy Industries, 2017 Isle of Man	DP Classification	DP Class III DP HIL Certification	Berths (No.) Cabins (No.)	132 52x single cabins 40x double cabins	
Principal Dimensions	400.0	Reference System	2x Taut Wires, 3x Veripos DGNSS, 2xSeaPath DGNSS, 2x HiPAP 500,	Ice and Winterisation		
Length Overall (m) Breadth (m) Depth Main Deck (m)	162.3m 32.0m 13.5m	Cranes	1x HAIN, 2x Cyscan, 1x RADius	Features include hull plate strengthening. Trace heating of helideck, lifeboat, and other critical areas. Tank heating of fresh water tanks, and other measures. Environmental		
Operating Draught (m) Main Deck	8.5m (8.7m max)	Main Crane Capacity (t) Manufacturer Operating Water Depth (m)	1,000t Huisman 3,000m (Double Fall) 6,350m / 109mm Yes 40t, certified for man-riding 1x 100t AHC			
Clear Deck Area Deck Strength	2,600m <sup>2</sup> 15t/m <sup>2</sup> aft of main crane 10t/m <sup>2</sup> elsewhere	Main Lift Wire AHC Auxiliary Hoist Auxiliary Cranes (t)		Hull form and propulsion arrangement optimised to reduce fuel consumption. Waste heat recovery system fitted. SCR equipment installed in exhaust to reduce NOx emissions.		
Underdeck Basket			1x 25t AHC		/stem installed to protect biodiversity.	
Capacity	7,000t	Operating Water Depth (m)	3,000m (Single Fall)		府入	
Tank Capacities (100%)		Tiltable Lay System				
Fuel Oil (m <sup>3</sup> ) Potable Water (m <sup>3</sup> ) Ballast Water (m <sup>3</sup> ) Anti-Heel Tanks Anti-Roll Tanks Speeds / Fuel Consumpti	3,700m <sup>3</sup> 1,200m <sup>3</sup> 7,500m <sup>3</sup> 3,000m <sup>3</sup> 800m <sup>3</sup>	Tensioners Dynamic Top Tension Primary A&R Capacity Primary A&R Wire Length Secondary A&R Capacity Secondary A&R Wire Length Hang Off Collar Clamp	2 600t 600t 3,500m 200t 3,000m 600t			
Maximum Speed Economic Speed Economic Speed Fuel	15.5 knots	PLET Handling System Lay System Working Angles Lay System Bridge Passage Angle	50t 90° to 80° 39°			
	12.5 knots					
Consumption	72.0m <sup>3</sup> /day	Moonpool		$\wedge$		
		Number	1			
		Dimensioner	0.7Em v 7.0m			

8.75m x 7.2m



Dimensions:



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