

ISLAND OCEAN

VESSEL SPECIFICATION SHEET



IMR, SURVEY AND ROV SUPPORT VESSEL

Island Ocean is an UT 776 CDL Offshore Subsea Construction Vessel built in 2014 and further extended / converted in 2024. The vessel design provides excellent stability and station keeping. The selection and design of spread, equipment and workspaces, is all based on the objective to perform safe and efficient subsea operations.

As part of the conversion process, the vessel underwent an extension of approximately 11 meters. Dual ROV hangars were installed, along with a state-of-the-art ROV launch and recovery system. The superstructure was extended, the DP system was upgraded, and a large battery pack - capable of receiving regenerated energy from the ROV winches - was installed. An active front-end system was also implemented, enabling the transfer of redundant energy to the battery pack.

Island Ocean is a vessel equipped with a 150 T active heave compensated subsea crane, capable of delivering loads to depths down to 3000 meters and is a versatile and cost-effective working platform for a broad range of demanding offshore projects, including pipe and cable laying, subsea construction, surveying and flotel – W2W.

KEY VESSEL FEATURES

- APPROX 900 M² WORK DECK
- 150 Te AHC SUBSEA CRANE WITH 3000M WIRE
- 2 X WOV IN HANGAR
- INTEGRATED LARS HANDLING SYSTEM WITH ELECTRIC AHC WINCHES FOR WORK ROV IN ENCLOSED HANGARS
- ACCOMMODATION FOR 83 PERSONS
- DP 2
- UNDERDECK TANK CAPACITY FOR MEG/BRINE

CLASSIFICATION / PO

	DNV 1A1, Battery(Power), Clean(Design), COMF(V-3), DYNPOS(AUTR), E0, HELDK(S,H), HL(2.5), Ice(C), NAUT(OSV(A)), SF, SPS, Strengthened(DK) In-operation* PMS(M), Clean DP2 - ERN 99.99.99
DYNAMIC POSITIONING	Marine Technologies
REFERENCE SYSTEMS	2 x Veripos DGPS System Id 900m 2 x Hipap 502 system with remote operated gate valve DN 500 1 x Radascan 1 x Cyscan 1 x Radius

DECK EQUIPMENT

OFFSHORE CRANE	TTS GPOKac 3200-150-30 (port side) Main: 150 Te @ 12 m, 3000 m AHC/CT AUX 10 Te @ 30 m, 1000 m, AHC/CT Capable for ship-to-ship operational lifting. Personnel lift with aux winch. 2.0 Te at max outreach
DECK CRANE	2 x 3 Te @ 12 m
PROVISION CRANE	2 Te @ 10 m
UTILITY STATION	230V & 440V (redundant supply)

FRC AND LIFEBOATS

FRC	Mare Safety GTC 700
LIFEBOATS	2 x Solas approved, 43 passengers

HELIDECK

	D-value 26.1 m Take off weight: 16Te Certified in accordance with: NMA, SOLAS II-2/18, CAP 437, CAA-UK, ICS Guidance to Helicopter/ship operations
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ROV

WROV	2 x Constructor ROV's in enclosed hangar. 2 x Ulmatec LARS (Overside A-frame), 5000 m umbilical capacity
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DIMENSIONS

LENGTH (LOA)	107.4 m
LENGTH (LOA W/HELIDECK)	116.3 m
BEAM	20.0 m
DRAFT, DESIGN	6.2 m
DRAFT, MAX	6.7 m

DECK CAPACITIES

FREE DECK AREA	900 m ²
LENGTH	53.4 m
WIDTH	16.8 m
CAPACITY	10 Te/m ²

PROPULSION

GENERATOR CAPACITY	2 x RRM Bergen C25:33L9A 2 880 kW 2 x RRM Bergen C25:33L6A 1 920 kW
THRUSTERS	2 x RRM Ulstein Aquamaster OAZP 120 CP – 2 200 kW 2 x RRM Kameva Ulstein - TT 2 200 DPN CP – 883 kW 1 x RRM Ulstein Aquamaster TCNS 73/50 – 180 – 883 kW

ACCOMMODATION

PAX	83
SINGLE CABINS	51
DOUBLE CABINS	16
	1 x Conference room 1 x Client office 7 x Project offices 1 x Online room (ROV, Survey, 3 rd Party)

TANK HANDLING CAPACITIES

DRILL / BALLAST WATER	100 m ³ /h
MEG / BRINE	100 m ³ /h @ 24 bar
FRESH WATER	200 m ³ /h
FUEL	200 m ³ /h

CONSUMPTION

TRANSIT ECO 9 KTS	13 - 14 m ³ /day
DP OPERATIONS	8 m ³ /day
IN PORT	3- 4 m ³ /day