DEEPOCEAN

ISLAND OCEAN

VESSEL SPECIFICATION SHEET



IMR, SURVEY AND ROV SUPPORT VESSEL

Island Ocean is a UT 776 CDL Offshore Subsea Construction Vessel, originally built in 2014 and significantly upgraded through an extensive conversion and extension completed in 2024. The vessel combines excellent stability and dynamic positioning performance with a highly functional arrangement of equipment and workspaces, designed to support safe and efficient subsea operations.

As part of the 2024 conversion, the vessel was extended by approximately 11 metres, providing increased deck space and operational flexibility. The upgrade included the installation of two dedicated ROV hangars with a modern launch and recovery system, extension of the accommodation and superstructure, and an upgraded DP system. A large battery energy storage system was also integrated, capable of capturing regenerated energy from the ROV winches. Together with an active front-end (AFE) system, surplus electrical energy can be transferred to and stored in the battery pack.

Island Ocean is a vessel equipped with a 150 Te active heave compensated subsea crane, 2-off WROV and underdeck tank capasity to deliver a highly capable and flexible offshore working platform. The vessel offers a cost-effective solution for a broad range of offshore operations.

KEY VESSEL FEATURES

- HYBRID BATTERY SYSTEM WITH ENERGY REGENERATION FROM ROV WINCHES
- APPROX 880 M2 FREE DECK AREA
- 150 TE AHC SUBSEA CRANE WITH 3000M WIRE
- 2 X WOV IN HANGAR
- INTEGRATED ELECTRIC AHC LARS FOR WORK ROV IN ENCLOSED HANGARS
- ACCOMMODATION FOR 83 PERSONS
- DP CLASS 2
- UNDERDECK TANK CAPACITY FOR MEG/BRINE
- 11 M VESSEL EXTENSION AND MAJOR CONVERSION COMPLETED IN 2024
- HELIDECK

CLASSIFICATION

	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 L1 (8,6,6,5) (classification)
FLAG	NOR

POSITIONING

DYNAMIC POSITIONING	Marine Technologies
REFERENCE SYSTEMS	2 x Veripos DGPS System ld 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 12.5 Te @ 30 m, 2000 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 21 m Take off weight: 15.6 Te safe landing area 26,1 m Certified in accordance with: NMA, SOLAS II-2/18, CAP 437, CAA-UK, ICS Guidance to Helicopter/ship

ROV

WROV	2 x 220 Hp Kystdesign Constructor ROV's in enclosed hangar. 2 X Ulmatec LARS Launch/recovery over the side

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	880 m^2 (Excluding mezzanin deck)
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 0AZP 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 Singel cabins 51 Double cabins 16 1 x Conference room 1 x Client office 7 x Project offices 1 x Online room (ROV, Survey, 3rdParty)

TANK HANDLING CAPACITIES

DRILL / BALLAST WATER	3 235 m^3
MEG / BRINE	1 200 m^3
FRESH WATER	761 m^3
FUEL	912 m^3
SLUDGE /DROP TANK	58 m^3

CONSUMPTION

TRANSIT ECO 8.2 KTS	11- 12 Te/day
DP OPERATIONS	7 - 8 Te/day
IN PORT	3- 4 Te/day

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SPECIFICATION SUBJECT TO CHANGE WITHOUT NOTICE.