

ORIENT ADVENTURER

VESSEL SPECIFICATION SHEET



OFFSHORE CONSTRUCTION / SURF VESSEL

Orient Adventurer is a state-of-the-art Subsea Construction Vessel, perfectly suited to support the subsea construction market on a global scale. Through her enabling factors such as a Vertical Lay System (VLS), high capacity WROVs, large crane and deck space she is ideally suited for all types of subsea construction activities including amongst others activities within the SURF, IMR and subsea lifting market.

Key differentiators of the vessel for (flexible product installation) / construction include a 275T VLS with a 2 or 4-track tensioner capable of handling products up to 630mm in diameter, a 300T A&R winch equipped with 3000m of Abandon & Recovery (A&R) wire and hydraulically operated moonpool doors complete with a 300T hang-off clamp.

Furthermore all operations benefit from the availability of a 250T NOV AHC compensated crane and 1700m² deck space. Subsea operations are further monitored, supported and/or controlled by two ea. WROVs launched either through a dedicated moonpool or with a LARS over the starboard side and are capable of reaching to

KEY VESSEL FEATURES

Orient Adventurer is built to the highest standard for dynamic positioning with DP3 and Operation +, providing reliability in operation. The Ulstein X-bow design ensures excellent sea-keeping capabilities and fuel efficiency. With clean Design and Green passport, the Orient Adventurer is built according to high environmental standards.

- LENGTH OVERALL 130 M
- BEAM 25 M
- DP3
- 250 T AHC NOV CRANE
- 12 T KNUCKLE BOOM SECONDARY CRANE
- 275 T HUISMAN VLS
- 1700 M² DECK AREA
- ACCOMMODATION FOR 130 PERSONS
- HELICOPTER LANDING DECK
- 2 X WROV

CLASSIFICATION	
	DNV, SF, EO, DYNPOS-AUTRO, CLEAN DESIGN, NAUT-OSV(A), COMF-V (3),DK(+), HELIDK-SH, CRANE, SPS, VIBR, BIS
DYNAMIC POSITIONING	DP3 Class DNV DYNPOS AUTRO
REFERENCE SYSTEMS	2 x DPS132, 1 x DPS 232 Radius system (360 Degrees) 2 x HiPAP 501 1 x SpotTrack
MOTION REFERENCE UNITS	2 x MRU-D, 2 x MRU-5

DECK EQUIPMENT	
OFFSHORE CRANE	NOV 250T / 3000m wire Max lifting capacity 250T outreach 16m and 100T at 36m, Aux hook 20MT, 1-fall with personnel transfer.
MOONPOOL	8,0 x 8,0 m

FRC AND LIFEBOATS	
	MOB/Rescue boat: Mare Safety 600
	2 x enclosed lifeboats 80 pax each
	4 x Davit launch life rafts

HELIDECK	
	Helideck D-value 20,88m (total size 26.1 - 1,25D), designed for Sikorsky S-92. Certified according to CAA CAP437 / DNV. Max take-off weight 12,8mt

ROV	
	2 x WROV

PIPE LAYING CAPABILITY	
	275T Huisman Vertical Lay System 4-track tensioner frame, operational in both 2-track and 4-track mode. Max pull 4-track 275T incl. 1,2 dynfactor. Nominal line pull 230ton pay out speed 19m/min, reduced line pull 117ton, 32m/min. Set of 6 sets tensioner pads varying in size & contact angle. Capable of handling product from 50 to 630mm.

DIMENSIONS	
LENGTH (LOA)	130,00 m
BEAM	25,00 m
DRAFT, MIN/DESIGN/MAX	5,38 m / 7,00 m / 7,60 m
DEAD WEIGHT	7200 t
GROSS TONNAGE	11803 t

DECK CAPACITIES	
FREE DECK AREA	1150 m ² aft of VLS
LENGTH	70,0 m
WIDTH	24,0 m

PROPULSION	
GENERATOR CAPACITY	6 x 2740 kW
THRUSTERS	Tunnel thruster, 2 x 2140 kW Azimuth thruster, 1 x 2000 kW

ACCOMMODATION	
	48 single cabins
	41 double cabins
	1 conference room
	1 auditorium
	4 client offices

TANK CAPACITIES	
DRILL / BALLAST WATER	6303 m ³
FRESH WATER	1400 m ³
FUEL	2000 m ³