

# 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 1700m<sup>2</sup> 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 M<sup>2</sup> 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
<b>DYNAMIC POSITIONING</b>	DP3 Class DNV DYNPOS AUTRO
<b>REFERENCE SYSTEMS</b>	2 x DPS132, 1 x DPS 232 Radius system (360 Degrees) 2 x HiPAP 501 1 x SpotTrack
<b>MOTION REFERENCE UNITS</b>	2 x MRU-D, 2 x MRU-5

## DECK EQUIPMENT

<b>OFFSHORE CRANE</b>	NOV 250T / 3000m wire Max lifting capacity 250T outreach 16m and 100T at 36m, Aux hook 20MT, 1-fall with personnel transfer.
<b>MOONPOOL</b>	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
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## ROV

	2 x WROV
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## 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.
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## DIMENSIONS

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

## DECK CAPACITIES

<b>FREE DECK AREA</b>	1150 m <sup>2</sup> aft of VLS
<b>LENGTH</b>	70,0 m
<b>WIDTH</b>	24,0 m

## PROPULSION

<b>GENERATOR CAPACITY</b>	6 x 2740 kW
<b>THRUSTERS</b>	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

<b>DRILL / BALLAST WATER</b>	6303 m <sup>3</sup>
<b>FRESH WATER</b>	1400 m <sup>3</sup>
<b>FUEL</b>	2000 m <sup>3</sup>