

## About the vessel

The Offshore Solution is class leading multi-purpose vessel equipped with hull-mounted multibeam and USBL systems and suite of geophysical sensors with the capability to perform hydrographic surveys, environmental and geophysical surveys, light geotechnical operations and IMR operations using its 20-ton active heave compensated crane, 30-ton A-frame, Light Workclass ROV and DP2 capabilities.

With dedicated survey rooms and accommodations for 40 personnel, this vessel facilitates offshore command, control and data processing to ensure comprehensive data quality control and efficient final reporting post-demobilisation. Its dimensions and mono-hull design provide a safe and comfortable environment for passengers, and its optimal draft allows it to survey both deep offshore locations and shallow water depths along export cable routes.

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## Offshore Solution

### Offshore Service Vessel

General		Dimensions	
IMO No	9784465		
Year Built	2016	Breadth - moulded	11.3 m
Port of Registry	Australia	Draft	2.8 m
Flag	Australia	GT	902 T
Class	Des Norske Veritas - Germanischer Lloyd	NT	275 T
Notation	✱1A Offshore service vessel, COMF(v-3), DPS(2) EO VIBR	Deadweight	2,670 T (approx.) at 5.50 m draft
		Free Deck Area	250 m <sup>2</sup>
LOA	53.85m	Deck Strength	7.5 T/m <sup>2</sup>



# Offshore Solution

## Offshore Service Vessel



### Overview

Fuel Efficient—Diesel Electric  
Shallow Draft  
Dynamic Positioning  
2 x Deck Cranes (AHC/Man Ride)  
4 Point Mooring System  
POB—40 persons  
Dual Moon Pools  
Green Passport Compliant  
Removable Bulwarks  
ICCP & ICAF System  
OVID Compliant  
Steel Mono Hull  
3 x Starlink Fitted

### Bridge

Electronic Chart Display System, (ECDIS)  
Sailor 622 & 6248 VHF communications  
Sailor 6301 HF Communications  
Sailor 6006 INMARSAT C  
VSAT Fitted

### Integrated Survey

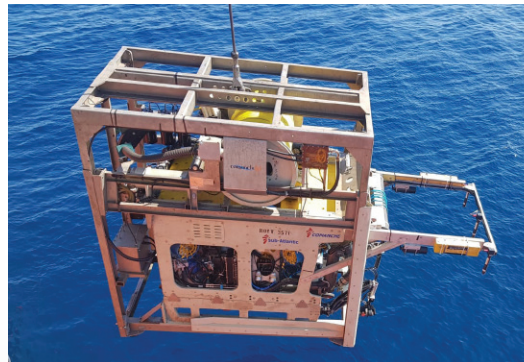
2 x Veripos LD900 GNSS (Shared)  
1 x Sonardyne Ranger 2 USBL (Shared)  
4 x Sonardyne WSM 6+ Mini Beacons  
2 x Sonardyne 6G+ RTP Compatts  
2 x Exail Hydrins INS  
2 x Valeport SUX 2 CTD

### Dynamic Positioning

Praxis MEGA GUARD DP System  
2 x Veripos LD900 GNSS  
1 x Sonardyne Ranger 2 USBL, (Fitted Stbd Moon Pool)  
1 x MEGA-GUARD E Series Taut Wire  
4 x Sonardyne Reference Acoustic Beacons

### Comanche 30 - Electric Light Work Class ROV

Integrated A-frame LARS  
Winch c/w 2,000m umbilical (Zone 2 rated)  
Cage type TMS with 250m of tether  
Depth Rating 2,000m  
Payload 215kg  
Thrust – 225kgf Fwd, 225kgf Lateral  
1 x Schilling Orion 7-function & 1 x Orion 4-function  
Auxiliary Pump – 220 Bar at 20 lpm  
Auto – Heading, Depth, Altitude, Pitch and Roll  
Pan and Tilt unit, tilt unit  
2 x Colour zoom, 1 x colour camera, 1 x Low light camera  
Tritech super seaking obstacle avoidance Sonar  
Tooling/inspection skid available c/w rollers and booms



### Deck Layout

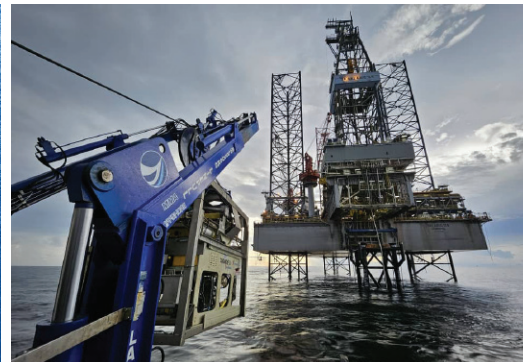
4 point mooring, 600m x 30mm SWR, w/Delta Flipper anchors  
2 x Moon pools @ 1.0m diameter each  
Stern Roller 6m x 0.9m  
Removable Bulwark sections, 2 x 3.5m sections

### Lifting Appliances

1 x Aft Knuckle Boom 20t @ 6.5m, 11.5t @ 15.1m, AHC/CT/Man Ride  
1 x Fwd Knuckle Boom 13.6t @ 6.3m, 4.45t @ 15.3m  
CPT and Vibrocore Deployment Platform  
30t A-Frame  
20t Lifting Winch

### Power Generation

6 x D13 Volvo Penta Generators @ 420kW each  
2 x D9 Volvo Penta @ 260 kW each (Emergency & Harbour Gen Set)



### Propulsion

2 x Aft Azipod 650kW each  
1x Bow Tunnel Thruster 400kW  
1x Bow Swing Down Azipod 650kW

### Speed

14 knots maximum  
10 knots economical

### Tank Capacity

120m³ MGO  
150m³ Ballast Water  
60m³ Potable Water



**TRANSFORMING** THE WAY MARINE SERVICES ARE DELIVERED