



OFFSHORE GUARDIAN



KEY FEATURES

Aluminium Utility

VESSEL APPLICATIONS

Survey

Patrol Vessel

DP

MAIN PARTICULARS :

Year Built:	2015
Designer:	Lomocean Designs NZ
Builder:	Profab Engineering NZ
Survey:	AMSA 2B / 28 Passengers
Call Sign:	VZXN
Home Port:	Darwin, NT
Design:	DP1 Aluminum
Hull Construction:	Aluminium

DIMENSIONS

Length Overall:	34.0 metres
Draft Maximum:	2.20 metres
Beam:	11.0 metres
Deck Area:	18 x 10 metres
Usable Deck Area:	140 m2

MANOUEVERING & PROPULSION SYSTEM

Main Engines:	2 x C18 Caterpillar 870 hp
Drive System:	2 x Conventional Shaft
Bow & Stern Thruster:	4 x 150hp Electric Thrusters & Split Rudders

ELECTRIC POWER GENERATION

Main Generator:	2 x Cat C7 150Kw
ROV Generator:	1 x Cat C9 200Kw
Thruster Generator:	1 x Cat C18 450Kw

TANK CAPACITY

Fuel:	60,000 litres
Water:	14,000 litres
Blackwater:	14,000 litres
Desalination Plant:	6,480 litres/day

DECK & LIFTING EQUIPMENT

Tugger Winch	20 Tonne Pull
A-Frame	20 Tonne Lift
Moon Pool	2 x Fixed 1 Retractable
Deck Cranes	Palfinger 32002M 15T @ 4.5mtrs, 2T@15mtrs
4 Point Anchoring	4 x Electric Winches 700mtrs 22mm Wire
Deck Strength	2.5 T/m2

RADIO AND NAVIGATIONAL EQUIPMENT

AIS	Furuno
GPS	2 x Furuno Satellite
Auto Pilot	Furuno

Echo Sounder	2 x Furuno Colour
Chart Plotter	Maxsea & Furuno Nav Net
Radar	Furuno 48 nm & 24 nm
Radios	1 x Furuno HF & 4 x VHF
Watch Keeper Alarm	Furuno Motion Sensor
Compass	Magnetic, Satellite, Gyro
Satellite Phone	Simrad FB250
Email & Internet	Next G & Simrad FB250
Night Vision	FIIR Remote Control
Dynamic Positioning	Navis 4000

PERFORMANCE

Maximum Speed	15 knots
Economical Speed	11 knots
Bollard Pull	14 ton
Fuel Consumption	120 litres/hour @ 11 knots 30 litres/hour @ 4 knots
Range	5,500 nm @ 11 knots

ACCOMMODATION

Cabins	14 x 2 Berths 7 x Showers & Toilets
Galley & Mess	Mess seating 24 Persons
First Aid	1 x First Aid Cabin with Bed

