



About the vessel

The MMA Leeuwin has been a high performing marine asset for MMA operating predominately on the North West Shelf of Western Australia. The vessel was contracted to Woodside consistently over a 5 year period from its delivery in 2013 and is now supporting various Australian based operators.

Designed by VARD and constructed in the ASL Shipyard Singapore, the Leeuwin features all the quality European elements and technology that is synonymous with a VARD vessel.

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MMA Leeuwin

Platform Supply Vessel



General		Dimensions	
Official No	398418	LOA	82.2 m
Call Sign	9V7573	Breadth - moulded	17 m
IMO No	9674658	Depth - moulded	7.6 m
Year Built	2013	Draft	6.4 m
Port of Registry	Singapore	GRT	3,464 T
Flag	Singapore	NRT	1,435 T
Class	Det Norske Veritas - Germanischer Lloyd	Deadweight	4,000 T
Notation	*1A1 Fire fighter(I) Clean(Design) COMF(V-3) DK(V-3) DK(+) DYNPOS(AUTR) E0 HL(2.8) LFL(*) OILREC SF	Free Deck Area	810 m ²
		Deck Strength	~355m ² @ 10t/m ² ~ 455m ² @ 5t/m ²



Performance		
BHP	BHP	NA
Speed - Maximum	Knots	11.5
Speed - Economical	Knots	9

Tank Capacity		
Fuel Oil	m ³	979.3
Fresh Water	m ³	1,066.3
Sewage	m ³	19.2
Foam	m ³	3.5
Ballast Water	m ³	1,740.5
Liquid Mud	m ³	977.5
Cement	m ³	341.8
Dispersant	m ³	NA
Dry Bulk	m ³	(refer to cement)
Methanol	m ³	104.6
Glycol	m ³	977.5
Brine	m ³	977.5
Drill Water	m ³	1,740.5
Base Oil	m ³	254.9
Roll Reduction Tank	186.6 (Tk. 58 aft of bridge)	

Discharge Rates		
Fuel Oil	2 x 150 m ³ /hr @ 90 m head	
Fresh Water	2 x 150 m ³ /hr @ 90 m head	
Ballast / Drill Water	2 x 150 m ³ /hr @ 90 m head	
Dry Bulk	2 x 60 m ³ /hr @ 5.5 bar	
Liquid Mud / Brine	2 x 75 m ³ /hr @ 90 m head	
Glycol	1 x 75 m ³ /hr @ 90 m head	
Base Oil	1 x 50 m ³ /hr @ 90 m head	
Methanol	2 x 50 m ³ /hr @ 90 m head	

Machinery / Propulsion	
Main Engine	Refer to generators
Bow Thruster	2 x 880 kW, Burnroll type FU-74-LTC-2000
Stern Thruster	NA
Generator	4 x 1,291 kW, Cummins KTA 50 DM1 @ 1,800 rpm
Emergency Generator	1 x 100 kW, Cummins 6CT8.3DM @ 1,800 rpm
Propulsion	2 x 1,600 kw, fixed pitch schottel twin
Nitrogen Generator	20 x 18.2kg independent bottles

Deck Equipment	
Crane	2 x Hydraulic electric cylinder luffing jib crane (1 x 2 T @ 10 m & 1 x 3 T @ 10 m)
Capstan	2 x 8 tonne Norwegian Deck machinery AS electric
Tugger Winch	2 x 10 tonne Norwegian Deck machinery AS electric
Wire Capacity	19 mm x 250 m
Brake Holding	30 T
Bow Winch	NA

Rescue & Fire Fighting	
FRC Type	1 x 15 person Noreq 650 FRC
Dacon Scoop	NA
FiFi Class	Class 1
Fire Monitor	2 x 3,500 m ³ /h
Fire Pump	2 x 36 m ³ /h = 72 m ³ /h (primary), 1 x 29 m ³ /h (emg)

Dynamic Positioning	
DP	Kongsberg K-Pos DP2
DGPS - Quantity	2
DGPS - Signals	Spotbeam
HIPAP - Type	NA
Laser - Type	CyScan Mk 4
Joystick - Type	Kongsberg Portable joystick TC
Fanbeam - Quantity	Fitted

Accommodation	
Cabin (3 Berth)	Qty NA
Cabin (2 Berth)	11
Cabin (Single Berth)	6
Total Accommodation	28 pax
Conference Room	NA
Office	1
Day Room	2
Hospital	1

Communication Equipment	
Navtex Receiver - Quantity	Qty 1
AIS	1
Watch Alarm	1
SSB	1
Intercom	1
Inmarsat-C	2
EPIRB	2
GMDSS VHF Radio (MF/HF)	4 x VHF, 1 x MF/HF
GMDSS Handheld VHF	3
VSAT	1

Navigation Equipment		
Magnetic Compass		Qty 1
Gyro Compass c/w Autopilot	3 x gyro, 1 x autopilot	2
GPS Navigator		2
Radar		2
Speed Log		1
ECDIS		2

Other Equipment	
Sewage Treatment Unit	1 MARPOL Compliant
Water Maker - Capacity	12,000 litres/day
Waste Compactor - Quantity	1

TRANSFORMING THE WAY MARINE SERVICES ARE DELIVERED