



About the vessel

MMA Pinnacle has been designed and constructed to provide customers the opportunity for faster, more efficient and cost effective project mobilisation times.

MMA Pinnacle offers superior ultra-deep water lift capabilities compared with similar vessels and has been designed with on-board systems and infrastructure to be on location longer with minimised external support, and maximum shipboard facilities for productive offshore work. The Pinnacle has a NOPSEMA approved for Safety Case for IMR operations in Australian waters.

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MMA Pinnacle

Multipurpose Support Vessel



General		Dimensions	
Official No	900109	LOA	87.8 m
Call Sign	9WNM1	Breadth - moulded	22 m
IMO No	9696187	Depth - moulded	7.8 m
Year Built	2016	Draft	5.5 m
Port of Registry	Labuan	GRT	5,138 T
Flag	Malaysia	NRT	1,541 T
Class	Des Norske Veritas - Germanischer Lloyd	Deadweight	2,670 T (approx.) at 5.50 m draft
Notation	✱1A Offshore service vessel(Supply) Standby vessel BIS COMF(C-3) Crane DPS(2) E0 HELDK SPS Strengthened(DK)	Free Deck Area	1,000 m ² (Main deck without Mezzanine), 685m ² (Main Deck with Mezzanine), 295m ² (Mezzanine)
		Deck Strength	10.0T/m ²

A Perfect Day Every Day



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Performance		
kW	kW	10,240
Speed - Maximum	Knots	11.5
Speed - Economical	Knots	9

Tank Capacity		
Fuel Oil	m ³	868
Fresh Water	m ³	586
Potable Water	m ³	586
Foam	m ³	9.4
Ballast Water	m ³	3,270
Liquid Mud	m ³	682
Cement	m ³	104
Dispersant	m ³	9.4
Dry Bulk	m ³	(refer to cement)
Methanol	m ³	218 m ³ (approx.)

Discharge Rates		
Fuel Oil	2 x 150 m ³ /h @ 100 m head	
Fresh Water	1 x 150 m ³ /h @ 100 m head	
Ballast / Drill Water	2 x 150 m ³ /h @ 90 m head	
Potable Water	1 x 150 m ³ /h @ 100 m head	
Dry Bulk	1 x 42 m ³ /h @ 5.6 bar	
Liquid Mud / Brine	2 x 75 m ³ /h at 240 m head	

Machinery / Propulsion		
Main Engines	Engine: 4 x 2,560 kW, Rolls-Royce Bergen C25:33 L8AY; Alternator: 4 x 2,457 kW/690V/60Hz @ 0.8pf, 900rpm, Marelli MUR 630 LAB)	
Bow Thruster	3 x 1,000 kW tunnel thruster, electric driven, Rolls Royce T2000DPN FP	
Emergency Generator	1 x 500 kW (CAT. C18)	
Propulsion	2 x 2,050 kW Azimuth thruster, electric driven, Rolls Royce US 255 FP/3800	

Deck Equipment		
Crane	MacGregor Offshore knuckle Jib crane, 150 T@15 m, HMC 3568 LKO 300-35(1500-15) AHC 3,000 m	
	2 x 5 Ton at 15 m/min Tugger Winch	
Capstan	2 x 10 Ton at 15 m/min, Vertical MacGregor MG-HVC 1045, electro-hydraulic	
Tugger Winch Main Deck	2 x 10 Ton at 15 m/min	
Wire Capacity	20 mm x 200 m	
Brake Holding	15 T	
Deck Voltage & Sockets - Quantity & Voltage	6 x 440v AC @ 60Hz, 4 x 230 V AC @ 60 Hz	
Helideck	Aluminium type, suitable for Sikrosky S92; (Maker - Aluminium Offshore)	
Water Maker	2 x 30 m ³ /day, reverse osmosis type, Gefico AQE30D	
Oily Water Separator	1 x 1 m ³ /h (BOSS 5T/107-USA)	
Sewage Treatment Plant	1 x 100 men with vacuum system (EVAC MBR120C)	
Moonpool	1 open bottom, (approx.)	
N2 Generation System	5.4 m x 5.4 m clear opening	
	1 (Wilhelmsen)	

Rescue & Fire Fighting		
Search Lights	4 x 2,000 W	
Floodlights	20 and 4 nos on 24 V embarkation deck flood lights	
Liferafts	2 x 25 persons davit launched type (SOLAS)	
Lifeboats	2 x 100 men totally enclosed lifeboat, (SOLAS Approved) (Maker - Vanguard)	
Fast Rescue Boat & Davit	1 x 6 men (Maker - Vanguard)	
Normal Rescue Boat & Davit	1 x 6 men (Maker - Vanguard)	

Communication Equipment		
Navtex Receiver	Qty	1
AIS		1
Watch Alarm		1
SSB		1
Intercom		1
Inmarsat-C		1
EPIRB		1
GMDSS VHF Radio (DSC)		2
GMDSS MF/HF (DSC)		1
VSAT		1
Anemometer		1
Fleet Broadband		1
SSAS		1
SART		2

Navigation Equipment		
Magnetic Compass	Qty	Nil - Exemption
Gyro Compass c/w autopilot	3 Anschutz Digital gyro Std 22 compass and 1 Auto Pilot Anschutz Pilot star D	
GPS Navigator		1
Radar		2
Speed Log		1
ECDIS		2
Echo Sounder		1
Weather Fax		1
Bridge Nav Watch System		1
VDR		1
Loading Computer		1

Dynamic Positioning System		
DP2 with Joystick	Rolls-Royce ICON 2 x DGPS 1x Laser Reference (Cyscan) - 1x HIPAP 500 (second unit optional) - 3x Anemometer - 2 x MRU2 - 1 x MRU5 - 1 x Radius	

Accommodation		
Cabin (4 Berth)	Qty	11
Cabin (2 Berth)		16
Cabin (3 Berth)		4
Cabin (Single Berth)		12
Total Accommodation		100 Pax
Hospital		2 beds