



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 Supply 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

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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.) 5.4 m x 5.4 m clear opening
N2 Generation System	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

TRANSFORMING THE WAY MARINE SERVICES ARE DELIVERED