



About the vessel

MMA Vigilant is a versatile and flexible multi-purpose support vessel, capable of light construction work, ROV support and project tasks, as well as standard platform and drilling rig supply.

The vessel has a proven track record in subsea geotechnical work in East Africa, including working with Benthic's PROD system in over 2,000m of water depth, deploying current meters and AUV systems and operating work class ROVs.

MMA Vigilant

Multipurpose Support Vessel



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General		Dimensions	
Official No	397618	LOA	83.6 m
Call Sign	9V9816	Breadth - moulded	20 m
IMO No	9651931	Depth - moulded	9 m
Year Built	2013	Draft	7.4 m
Port of Registry	Singapore	GRT	4,268 T
Flag	Singapore	NRT	1,892 T
Class	American Bureau of Shipping	Deadweight	5,187 T
Notation	*A1, Offshore Support Vessel, Fire Fighting Vessel Class 1, *AMS, *DPS-2, *ACCU, SPS, CRC (MRW)	Free Deck Area	950 m ² (incl. of Mezzanine Deck & underneath Crane Boom Area)
		Deck Strength	7.5 T/m ²

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Performance

BHP	BHP	8,047
Speed - Maximum	Knots	14
Speed - Economical	Knots	10

Tank Capacity

Fuel Oil	m ³	1,350
Fresh Water	m ³	893
Sewage	m ³	15.2
Foam	m ³	23.2
Ballast Water	m ³	2,737
Liquid Mud	m ³	1,050
Cement	m ³	300
Dispersant	m ³	23.2
Dry Bulk	m ³	300
Methanol	m ³	NA
Glycol	m ³	NA
Brine	m ³	1,050
Drill Water	m ³	2,737
Base Oil	m ³	141
Roll Reduction Tank	m ³	332.50 (incl. in Ballast Capacity)

Discharge Rates

Fuel Oil	2 x 100 m ³ /h @ 92 m head
Fresh Water	1 x 100 m ³ /h @ 92 m head
Ballast / Drill Water	2 x 100 m ³ /h @ 92 m head
Potable Water	1 x 100 m ³ /h @ 92 m head
Dry Bulk	2 x 60 m ³ /hr @ 5.5 bar
Liquid Mud / Brine	2 x 75 m ³ /h @ 245 m head
Glycol	NA
Base Oil	2 x 100 m ³ /h @ 90 m head
Methanol	NA

Machinery / Propulsion

Main Engine	2 x 3,000 kW Caterpillar-Mak 9M25C
Bow Thruster	2 x 800 kW Tunnel, 12 T lateral thrust
Stern Thruster	2 x 680 kW Tunnel, 10 T lateral thrust
Generator	3 x Aux 500 kW & 2 x 1,800 kW Shaft
Emergency Generator	1 x 117 kW
Propulsion	2 x Berg Propulsion - CPP
Nitrogen Generator	NA

Deck Equipment

Crane	1 x AHC - knuckle boom electro-hydraulic (50mt @ 10m, 10mt @ 18m, 20mt @ 10m)
Capstan	2 x 5 tonne Cargotec MG-HVC-0540, E-Hydraulic
Tugger Winch	2 x 10 T @ 0-15m/min (1st Layer)
Wire Capacity	26 mm x 200 m
Brake Holding	15 T (static, 1st Layer)

Rescue & Fire Fighting

FRC Type	1 x 15 person Vanguard VG6 - 0FRK FRC
Dacon Scoop	NA
FiFi Class	Class 1
Fire Monitor	2 x 1,200 m ³ /hr
Fire Pump	2 x 2,016 m ³ /hr

Dynamic Positioning

DP	2
DGPS - Quantity	MT Bridgemate DP2
DGPS - Signals	2
HIPAP	1 x 501 SEASTAR Kongsberg
Laser - Type	2 X Kongsberg APC 12 Bridgemate Compact OS (IJS), Portable Bridgemate Compact OS (OS #)
Joystick - Type	OS (OS #)
Fanbeam - Quantity	1 Cyscan

Accommodation

Cabin (4 Berth)	Qty 8
Cabin (2 Berth)	8
Cabin (Single Berth)	12
Total Accommodation	60 pax
Conference Room	1
Office	Nil
Day Room	1
Hospital	1

Communication Equipment

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

Navigation Equipment

Magnetic Compass	Qty 1
Gyro Compass c/w Autopilot	3 Gyro, 1 Auto Pilot
GPS Navigator	1
Radar	2
Speed Log	1
ECDIS	Nil

Other Equipment

Sewage Treatment Unit	1
Water Maker - Capacity	18,000 litres/day (18 T/day)
Waste Compactor - Quantity	1

TRANSFORMING THE WAY MARINE SERVICES ARE DELIVERED