



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	1,811 T
Class	American Bureau of Shipping	Deadweight	5,187 T
Notation	✱A1, Offshore Support Vessel, Fire Fighting Vessel Class 1, ✱AMS, ✱DPS-2, ✱ACCU	Free Deck Area	950 m ² (incl. of Mezzanine Deck & underneath Crane Boom Area)
MMSI	563580000	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		
Deck 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)	
Provision Crane	1 x McGregor 4.0T crane	

Rescue & Fire Fighting		
FRC Type	1 x 6 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	MT Bridgemate DP2	
DGPS - Quantity	2 x Seastar DGPS	
HIPAP	1 x Sonardyne Ranger 2	
Joystick - Type	Bridgemate Compact Portable IJS	
Laser - Type	1 Cyscan	
Tautwire System	1 x Ashtead Lightweight TWS	

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