



# MV GENESIS

## GEOPHYSICAL, LIGHT GEOTECHNICAL & ENVIRONMENTAL SURVEY VESSEL

*NOTICE: Particulars are believed to be correct and subject to revision without prior notice. Interested parties must inspect vessel to check on suitability of the Company's equipment. Company has exercised due diligence to ensure that the data contained herein is reasonably accurate. However, the Company does not warrant the accuracy or completeness of the data. In no event shall the Company be liable for any damages whatsoever arising out of the use or inability to use the data contained herein. All optional equipment for Charterers' usage shall be agreed by the Company. Updated as at 7 February 2023.*



# MV GENESIS

## TECHNICAL SPECIFICATIONS

### VESSEL SPECIFICATIONS

<b>Year Built</b>	2011
<b>Flag</b>	Betio, Kirabati
<b>Classification</b>	BV

### DECK EQUIPMENT (OPTIONAL)

<b>Deck Crane</b>	1 x Marine ME 5T/8m
<b>Capstan</b>	2 x 6T SWL
<b>Moonpool</b>	2.4m x 2.4m
<b>'A' Frame</b>	10T SWL

### PRINCIPLE DIMENSIONS

<b>Length Overall</b>	60.0 m
<b>Beam</b>	16.0 m
<b>Maximum Draft</b>	4.85 m
<b>GRT / NRT (MT)</b>	1,642T

### ELECTRICAL

<b>Generators</b>	2 main engine driven generators 875 kVA (700 kW), 415 V, 50 Hz
	2 diesel generators 313 kVA (250 kW), 415 V, 50 Hz

### COMMUNICATIONS

<b>NAVTEX</b>	NSR NVX-3000
<b>VHF/SSB</b>	2 x Sailor 6222 VHF-DSC
<b>Inmarsat - C1</b>	Furuno MES FELCOM 15 (LRIT)
<b>Inmarsat - C2</b>	Furuno MES FELCOM 15 (SSAS)

(Communications equipment are for safety compliance and Owner's usage only)

### SAFETY EQUIPMENT

<b>Rescue/MOB</b>	1 x davit launched
<b>Life Rafts</b>	4 x 25 Persons (Upgradable to 54 pax)
<b>Fire Detection</b>	Fireclass Precept EN 16Zone Panel

### PROPELLION & PERFORMANCE

<b>Main Engines</b>	2 x Cummins QSJ 2x2200 BHP@1800RPM
<b>Bow Thruster</b>	1 x Kamome CPP TCB
<b>Speed</b>	08 - 10 knots
<b>Endurance</b>	31 days

### ACCOMMODATION

<b>Bunk Capacity</b>	54 persons
<b>Sick Bay</b>	Provided

(Number of berths for Charterers' usage as per charter party agreement)

### NAVIGATION

<b>RADAR</b>	Furuno FAR 21x7, X-Band
<b>Gyro Compass</b>	2 x Anschütz STD-22
<b>GPS</b>	MX Marine MX420
<b>Doppler Speed Log</b>	Furuno DS-80
<b>Echosounder</b>	Furuno FE-700
<b>AIS</b>	Jotron, TR-8000

### CAPACITY(s)

<b>Fuel</b>	526m <sup>3</sup>
<b>Fresh Water/FWB</b>	690m <sup>3</sup> / 81m <sup>3</sup>
<b>Water Maker</b>	5m <sup>3</sup> /day

**NOTICE:** Particulars are believed to be correct and subject to revision without prior notice. Interested parties must inspect vessel to check on suitability of the Company's equipment. Company has exercised due diligence to ensure that the data contained herein is reasonably accurate. However, the Company does not warrant the accuracy or completeness of the data. In no event shall the Company be liable for any damages whatsoever arising out of the use or inability to use the data contained herein.





# MV GENESIS

## EQUIPMENTS LIST

### POSITIONING AND NAVIGATION

<b>Primary Positioning :</b>	Fugro P2 Pro GNSS
<b>Secondary Positioning :</b>	Hemisphere Vector VS1000
<b>Gyrocompass :</b>	TSS Meridian
<b>Navigation software :</b>	QPS QINSy V.9
<b>Underwater Tracking</b>	Sonardyne Scout Plus Transducer 3x Sonardyne 8271 omni directional transponder beacons
<b>Secondary Heading :</b>	Octan

### MAGNETOMETER

<b>Model :</b>	1x Geometrics G882 (piggyback SSS)
<b>Acquisition software :</b>	Maglog lite
<b>Sensitivity :</b>	1nT
<b>Processing software :</b>	Magpick / Oasis Montaj

### BATHYMETRY – SBES, MBES & SVP

<b>Single Beam E/S :</b>	Teledyne E20
<b>Multi Beam E/S :</b>	Teledyne T20 Dual Head
<b>Motion Reference :</b>	Octan INS20
<b>Active Frequency :</b>	33/200 kHz
<b>Active Frequency :</b>	190-420 kHz
<b>MBES and Backscatter processing software :</b>	QPS Qimera
<b>SVP probe :</b>	SVP70 MBES SV AML Plus-X

### SEABED SAMPLING

<b>Model :</b>	Gravity Corer
<b>Barrel length :</b>	3m, steel
<b>Barrel diameter :</b>	3 ½ inch
<b>Onboard soil tester :</b>	Torvane & Pocket Pentrometer
<b>Weight :</b>	1000kg in air
<b>Deployment :</b>	A frame + 3T SWL winch from stern
<b>Liner :</b>	3 inch core liner
<b>Misc :</b>	End caps etc

**2DHR \* other options can be provided/varied to optimise objectives**

<b>Source :</b>	GI Gun
<b>Streamer :</b>	GeoEel Gel
<b>Group interval :</b>	12.5m
<b>Tail buoy positioning :</b>	800L Mini
<b>Streamer Leveller :</b>	5010 birds
<b>Interpretation system :</b>	5011 birds
<b>Source Power :</b>	GeoVerse
<b>Channel No. :</b>	150 cu in
<b>Active Streamer Length :</b>	96
<b>Recording system :</b>	1200m
<b>Processing system :</b>	Geometrics LH-16 High Frequency CNT-2 Controller RadExPro / ProMAX

### SIDE SCAN SONAR

<b>SSS model :</b>	2x Edgetech 4205 Series
<b>SSS Acquisition software :</b>	Edgetech Discover
<b>Tow Point :</b>	Swing Davit
<b>SSS Frequency :</b>	230 & 540 kHz
<b>SSS processing software :</b>	SonarWiz
<b>Winch :</b>	Electrical winch

### SBP

<b>SBP :</b>	Innomar Medium
<b>Acquisition software :</b>	Innomar SIS 2000
<b>SBP Frequency :</b>	100kHz Primary
	4-15kHz Secondary

**Interpretation software :** SonarWiz / IHS Kingdom Suite

*NOTICE: Particulars are believed to be correct and subject to revision without prior notice. Interested parties must inspect vessel to check on suitability of the Company's equipment. Company has exercised due diligence to ensure that the data contained herein is reasonably accurate. However, the Company does not warrant the accuracy or completeness of the data. In no event shall the Company be liable for any damages whatsoever arising out of the use or inability to use the data contained herein.*



# MV GENESIS

## GENERAL ARRANGEMENT



