

# MV Ocean Resolution

Multi-Role Survey Vessel



## Vessel details

<b>Name</b>	MV Ocean Resolution
<b>Type</b>	Multi-Role Survey Vessel
<b>Year of build</b>	2015
<b>Reconfigured</b>	2019
<b>Classification</b>	Bureau Veritas (BV)

HULL MACH Special Service/  
Research Vessel, SPS48,  
AUT-UMS, DYNAPOS AM/  
AT R, GREEN PASSPORT,  
INWATERSURVEY

<b>Owner</b>	Gardline Shipping Limited
<b>Flag</b>	UK
<b>Port of registry</b>	UK
<b>ON</b>	336794
<b>IMO / Call Sign</b>	9779446/3EIP9
<b>MMSI number</b>	371657000

### Dimensions

<b>Length overall</b>	79.2m
<b>Beam</b>	18.3m
<b>Draft</b>	6.1m
<b>GRT</b>	4657t
<b>NRT</b>	1397t

### Accommodation

<b>Berths</b>	48 berths
<b>Facilities</b>	Conference Room, Client Rep Office, Gym & Wellness Centre, Hospital, Client Accommodation

### Propulsion and machinery

<b>Main engines</b>	4 x 1500kW Daihatsu 6DE-23
<b>Generators</b>	4 x 1500kW Daihatsu 6DE-23
<b>Emergency Generator</b>	1 x Cummins QSM11-DM Rating 270kW
<b>Propulsion</b>	
<b>Bow Thrusters T1 &amp; T2 (tunnel)</b>	2 x Wärtsilä CT200M-D Rating 850kW, 329 rpm
<b>Azimuth Thrusters T3 &amp; T4</b>	2 x Wärtsilä WST-18 Type 1600kW, 256 rpm

<b>Dynamic positioning</b>	Kongsberg K-Pos DP-21 Kongsberg cJoy
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<b>Transit speed</b>	8 to 8.5 knots
<b>Maximum speed</b>	12.5 knots

### Capacities

<b>Fuel capacity</b>	503m <sup>3</sup> (85%)
<b>Fresh water capacity</b>	303 <sup>3</sup>
<b>Endurance</b>	45 days or 8500 miles at transit speed

# Vessel details

## Bridge equipment

<b>Radars</b>	1 x X-Band and 1 x S-Band
<b>Autopilot</b>	Raytheon
<b>Gyrocompass</b>	3 Anschutz STD22
<b>Echosounder</b>	Furuno FE800
<b>Communications</b>	GMDSS installed to A3 VSAT Ku dual-antenna Iridium Certus Fleet Broadband Local 4G

## Deck area

<b>Crane</b>	HS Marine AKC LHE3 - SWL 1590kg @ 16.50m
<b>A-Frame</b>	A-frame 15T - 7,5T
<b>Moonpool</b>	Frame 55-62 (4200 x 4200)

## Safety equipment

<b>Rescue boat</b>	Zodiac 6-person RIB with outboard
<b>Life rafts</b>	180 persons
<b>Fire fighting</b>	Full complement of fire fighting equipment to meet or exceed SOLAS regulations

## Navigation

<b>Positioning systems</b>	Oceaneering C-Nav 3050/5000 Hemisphere GNSS
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## Survey Computer System

<b>Acoustic Positioning</b>	Gardline Voyager5
<b>Attitude and Heading System</b>	Kongsberg HiPAP 502 Kongsberg Seapath 380 Kongsberg MRU5+

# Vessel capabilities

## Hydrography

<b>Multi-beam</b>	Kongsberg EM2040C dual-head Kongsberg EM712 (0.5x0.5) Kongsberg EM304 (1x1)
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## Single-beam

## Geophysical

<b>Side scan sonar</b>	Edgetech 4200 (100-900 kHz Options)
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## Sub-bottom profilers

	Kongsberg SBP29 16-element Gondola Mounted Pinger AAE 1250 Dura Sparker 6-10in3 mini airgun 24 Bit Single Channel Recorders & Cables
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## SV Probe

<b>2DHR seismic</b>	Valeport Range of Systems 160.cu in gun array 4x Sercel streamers
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## G3Seis 3DHR Seismic option

	Sercel Seal 428 Digital Streamer System 3-C Multi Component Streamers (SSMS) 12.5m Group Interval 4 x 96 Channel (1200m) ProMAX 3D QC & Processing
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Dual <160 cu.in Gun Array Cluster  
GNSS & Laser Seismic Positioning

## Depth controllers

<b>Active head/tail buoy</b>	5010 DigiBird/5011 Compass Bird PartnerPlast Tail Buoy 800 & Navigation Float Series GNSS & Laser Positioning System
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## AUV options

Kongsberg Hugin AUV  
Kongsberg Munin AUV  
Teledyne Gavia AUV

## UHR seismic options

6in3 or 10in3 Mini  
Airgun | 75m streamer (3.125m group / 24ch)  
6in3 or 10in3 Mini  
Airgun | 150m streamer (3.125m group / 48ch)  
UHR Sparker Catamaran |  
96m streamer (1.0m group / 96ch)  
UHR Sparker Catamaran |  
3D 4x 48m streamer (1.0m Group / 48ch)

## Seismic compressors

2x LMF11SL Seismic  
Compressors (388 scfm each)

## Magnetometer

Geometrics G882

## ROV options

SAAB Seaeye Cougar XT  
with TMS and LARS (max 1600m water depth)  
WROV Shilling HD with TMS and LARS  
Various other Inspection and Work Class  
ROVs available on enquiry

## Geotechnical options

Neptune CPT | Roson CPT |  
100kN CPT | Vibrocorer | Piston Corer

## Environmental options

Shipek/Day/VanVeen/Mini Hamon grab  
samplers | Box Corer | Water samplers | Video  
and stills camera systems | Various PAMS systems  
customised for clients needs

All Gardline vessels meet or exceed international maritime  
guidance, Statutory Instruments and SOLAS requirements  
(including FSS code and IMO regulations) for Life Saving  
Appliances

## Trawl

2m benthic trawl

\*Vessel specs are subject to change



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