

# RV Ocean Researcher

Multi-role Survey Vessel



## Vessel details

<b>Name</b>	RV Ocean Researcher
<b>Type</b>	Multi-role Survey Vessel
<b>Year of build</b>	1984
<b>Reconfigured</b>	2005
<b>Classification</b>	Lloyds Register 100A1 / LMP / UMS
<b>Owner</b>	Gardline Shipping Limited
<b>Flag</b>	United Kingdom
<b>Port of registry</b>	Lowestoft
<b>ON</b>	705613
<b>IMO no / Call sign</b>	8207941 / GDLS
<b>MMSI number</b>	235011460

### Dimensions

<b>Length overall</b>	69.4m
<b>Beam</b>	14.4m
<b>Draft</b>	4.9m
<b>GRT</b>	1,936
<b>NT</b>	580

### Accommodation

<b>Berths</b>	39
<b>Facilities</b>	Mess, lounge, media room, gym

### Propulsion and machinery

<b>Main engine</b>	Mirrlees Blackstone MB275 (2650bhp)
<b>Generators</b>	2 x Mirrlees Blackstone ESL8
<b>Propulsion</b>	Single 4-bladed Controllable Pitch
<b>Thrusters</b>	White Gill Azimuth
<b>Transit speed</b>	8 knots
<b>Maximum speed</b>	12 knots

### Capacities

<b>Fuel capacity</b>	405m <sup>3</sup>
<b>Fresh water</b>	86m <sup>3</sup>
<b>Endurance</b>	28 days (nominal)

# Vessel details

## Bridge equipment

<b>Radars</b>	2 x Sperry Bridgemaster E (S-Band & X-Band)
<b>Autopilot</b>	Simrad AP50
<b>Gyrocompass</b>	2 x SG Brown Meridian Surveyor
<b>Echosounder</b>	Simrad
<b>Communications</b>	V-SAT KU Band Iridium pilot Fleet 250 Emergency GMDSS Handhelds (A1-A4) Sat-C telex Internal telephone exchange
	ECDIS Electronic charts

## Deck area

<b>Cranes</b>	3 x HS Marine (Foredeck: 2T SWL @ 7m Starboard side: 2.1T SWL @ 13.4m Main deck: 5T SWL @ 14.4m 2 x Grove M977 (1T SWL @ 6m)
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## A-Frames

8T SWL (starboard side)  
10T SWL (aft deck)

## Safety equipment

<b>Rescue boat</b>	Survitech RIB0450 6-person RIB with outboard
<b>Life rafts</b>	6 x RFD Surviva MkIV (20 persons)
<b>Fire fighting</b>	Full complement of fire fighting equipment to meet or exceed SOLAS regulations

## Navigation

<b>Positioning systems</b>	Starfix HP/XP & Starpack (primary & secondary) Seapath 200 Kongsberg MRU5
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## Underwater positioning

Sonardyne Ranger 2 USBL

## Survey computer

Gardline Voyager5

## IMU

Applanix POS-MV 320

# Vessel capabilities

## Hydrography

<b>Multi-beam</b>	Kongsberg EM710 (10 x 10) EM2040D EM710
<b>Single-beam</b>	Kongsberg EA 400

## Geophysical

<b>Side scan sonar</b>	Edgetech 4200
<b>Sub-bottom profilers</b>	Hull-mounted 16-element pinger Applied Acoustics Squid500 sparker 10in3 mini airgun EG&G sub & surface tow boomers
<b>(Optional)</b>	Innomar 2000 Medium
<b>SV Probe</b>	AML
<b>2DHR seismic</b>	4 x 40in3 Texas Instruments sleeve gun cluster Sercel Sentinel digital streamer system (12.5m group, 600m/48ch up to 1,500m/120ch) SPW QC Optional ProMAX QC & processing
<b>Depth controllers</b>	Ion 5010 DigiBird / 5011 Compass Bird

## Active tail buoy

PartnerPlast tail buoy 800  
Gardline P-Pos GPS transponder

## UHR seismic option

6in3 or 10in3 mini airgun  
75m streamer (3.125m group/24ch)

## Seismic compressors

2 x Hamworthy 4TH190W70  
(340scfm)

## Magnetometer

Geometrics G882

## Environmental

Shipek / Day / van Veen / Mini Hamon grab samplers  
Box corer  
Water samplers  
Video and stills camera systems

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



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