

## **‘Seren Las’ - Coastal Survey Vessel**



**‘Seren Las’ is a 10 m MCA Category 2 coded survey and dive support vessel refitted in 2017 to enhance its marine survey capabilities. With ample deck space and a purpose-designed hydraulic gantry and winch it is an ideal platform for a variety of survey requirements.**

**‘Seren Las’ has a wide range of applications including:**

- ✓ *Benthic grab sampling*
- ✓ *Drop-down & towed camera sampling*
- ✓ *Deployment of acoustic monitoring equipment and moorings*
- ✓ *Epibenthic beam trawl sampling*
- ✓ *Side scan sonar and multibeam survey*
- ✓ *Water profiling and sampling*

**OceanEcology provide the ‘Seren Las’ for charter as a fully functional survey vessel with commercially endorsed skipper, crew and experienced surveyors, as required.**

# 'Seren Las' - Coastal Survey Vessel

## Technical Specification

<b>Classification</b>	Workboat MCA Category 2 – 60 miles from safe haven
<b>Hull construction</b>	GRP Composite
<b>Engine</b>	Caterpillar 3126 (350 hp) with bow thruster
<b>Stern Gantry</b>	3m 500 kg hydraulic gantry
<b>Winch</b>	150m 500 kg hydraulic winch
<b>Persons</b>	12 (including skipper and crew)
<b>Length</b>	10m
<b>Beam</b>	3.5m
<b>Draft</b>	1.5m
<b>Height (Air Clearance)</b>	4.0m
<b>Deck Area</b>	15m <sup>2</sup>
<b>Fuel Capacity</b>	180 gallons / 800 L
<b>Cruising / Max Speed</b>	12 knots / 19 knots
<b>Battery/Electric</b>	12v 2 x 2kW Victron energy multiplus compact inverter / chargers with 120ampH capacity and separate domestic bank
<b>Instruments</b>	GPS Garmin GPS Map 4010 Echo sounder Koden CVS-106 Garmin Fishfinder 400C Radar JRC 1000 VHF Cobra Marine MR-F80 DSC
<b>Safety Equipment</b>	12 man liferaft, lifebuoys, lifejackets with lights, first aid kit, thermal protection aids, pyrotechnics, EPIRB, SART, safety lines, radar reflector, fire-extinguishers, fire blanket, anchors, boat hook, emergency oxygen (dive operations only) and hand held torches.

<b>Positioning</b>	Hemisphere V104s GPS Compass
<b>Navigation</b>	TimeZero Navigator v3 marine navigation with routing module and SeaTraceR Class B AIS
<b>Survey Software</b>	Full EIVA NaviSuite licence including NaviPac for precision navigation and positioning, NaviScan for sonar data acquisition, NaviEdit for survey data editing and NaviModel for 3D/4D modelling and visualisation
<b>Survey/ Sampling Equipment</b>	0.1 m <sup>2</sup> Hamon and Day grabs Drop-down / towed camera frame with freshwater housing Hydrographic over the side pole with universal head Bracket for MBES transducers 2 m epifaunal beam trawl Plankton nets and current meters Sieve table with sediment chute and seawater hose
<b>Audits / Safety Inspections</b>	CMID valid until May 2019 (available on IMCA website) Orsted In-House survey inspection sign-off until November 2018



## Mobilisation / Transport

*Seren Las is suitable for road transport and can therefore be rapidly mobilised to any port or marina in the UK.*

## Dive Support Operations

*Seren Las is also equipped to support dive operations with a removable dive lift fitted on the stern, emergency oxygen supply and an air compressor on the aft deck.*

If you would like further details or a quotation please contact the **OceanEcology** team at [info@ocean-ecology.com](mailto:info@ocean-ecology.com).

Further details at: [www.ocean-ecology.com](http://www.ocean-ecology.com)



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