

# Survey Vessel

# Freja



At just over 12.0 metres Freja is currently the second largest coastal survey boat owned by Osiris Projects. Freja was purpose built in 2002 with exceptionally practical layout for extended 12 hour operation. The vessel offers comfortable accommodation for up to 6 with well equipped galley, toilet, shower and heated workspace. Again the vessel is very fast with a comfortable and economical cruising speed of 25 knots with a range of over 500 miles. Freja has proved to be ideally suited to the more remote offshore wind farm sites and gives the ability to comfortably collect over 60 line kilometres of survey data, transit over 50 miles to site and back even in marginal conditions, all within a 12 hour day.



<b>Manufacturer</b>	Trefjar Ltd of Iceland
<b>Year Built</b>	2002
<b>L.O.A</b>	12.0m (39'4")
<b>Beam</b>	3.6m (11'10")
<b>Draft</b>	1.4m (4'6")
<b>Weight</b>	12,800 kg
<b>Propulsion</b>	2x Yanmar 370h.p. 6 cylinder diesels. ZF 280 'V' drive marine gearboxes with electronic trolling valves and 4 blade fixed pitch propellers
<b>Generator</b>	Kholer 65EFOZ generator powered by Yanmar 3TNE water cooled 3 cylinder diesel. Intelligent 3500w combined inverter /charger. System protected by line conditioner and UPS to all work stations.
<b>Max Speed</b>	55 kph (30 knots)
<b>Cruising Speed</b>	46 kph (25 knots)
<b>Fuel Capacity</b>	2000 litres (440 gal)
<b>Range</b>	850 km (450 Nm)
<b>Operating Cat</b>	MCA (Brown Code) Cat 2 – 60 miles from safe haven
<b>Max Personal</b>	6
<b>Safety</b>	Fully MCA Compliant with EPIRB
<b>Navigation</b>	Simrad CE52 DGPS chart plotter/sounder

Simrad RA51 36 mile radar  
Simrad AP35 Auto pilot  
Simrad Rd68 VHF radio  
Simrad IS15 multi function speed/depth/temp log  
KVH flux-gate compass  
Interphase 'Probe' forward looking sonar  
Deck Equipment Rear transom gate and wet platform for easy equipment deployment  
200Kg Electric stainless steel side scan sonar winch and lifting davit for equipment handling

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