

MV Flatholm

Many surveys carried out by Coastline Surveys Ltd have been in association with wind farms, either as prime survey contractor or providing vessels suitable for other surveyors. MV Flatholm has proven to be an ideal platform as a multi-purpose survey ship and coastal support vessel suitable for UK & near-European projects and has worked for most of the major European survey contractors as a 3rd party charter vessel.

Specialist areas of operation include site, pipeline & cable route assessment surveys using geotechnical (CPT, grab and vibrocore sampling), geophysical (shallow seismic and sonar surveys) and bathymetric surveys (swath multibeam and single beam surveys). Marine renewable energy market operations additionally include deployment and recovery of metocean equipment, trawling and benthic studies and ornithological studies.



MV Flatholm is fully COWRIE compliant and importantly is one of very few vessels available in her class that complies fully with these specifications. Continual rolling upgrades of machinery, communications and accommodations reflect our increasing commitment to offer MV Flatholm as a class beating coastal survey ship.

Classification : UK MCA MECAL CoP 2: 60nm	Duration: 10 days
Registration No: M02WB022107	Gross tonnage: 128 GRT
Port of Registry: Cardiff	Net tonnage: 39 NRT
Length Overall: 23.3 metres	Displacement: 220 tonnes
Length BP: 21.1 metres	Fuel Capacity: 44 m3
Breadth Overall: 8 metres	Freshwater: 9 m3
Dreadth Moulded: 7.2 metres	Blackwater: 2 m3
Deck Area: 50 m deck area	Accommodation: 12 persons plus 4 crew LSA
Draft: 2.5 metres (2.8 metres loaded)	Crew: 4/5
Speed Min/Max: 3 knots / 9 knots	Callsign: G H L Z
Power: 2 x 350hp continuous rated	Official Number: 712571
Bollard Pull: 10 tonnes	Year Built: 1977
Range: 4500nm	Location: Japan

DATASHEET

Suitable Uses

Geotechnical surveys (CPT, vibrocore, grab), geophysical surveys (pinger, boomer), multibeam (swath) surveys, metocean equipment deployment, environmental surveys (trawling, benthic), ROV inspection, towed body deployment, hydrographic survey support.

Accommodation Areas

6 cabins for 12 persons in total. Mess area with TV Video. Galley with permanent cook.

Machinery & Control

Main Engines: 2 x Cummins NTA855M 350hp continuous rated to Twin Disc gearboxes. Two control stations plus engine room.

Main Propulsion

2 x Kaplan Propellers in fixed Kort Nozzles

Generators

2 x 85 kVA 3 ph 415V ac

Power Supplies

1 x 65kVA 63A 415v 50Hz AC supply for deck
1 x 220v 32A 50Hz AC supply for deck
1 x 220v 16A 50Hz AC supply for lab
1 x 24v DC supply for bridge / lab electronics
1 x 12v DC supply for bridge / lab electronics

Stern / over the side

Working CCTV, intercom and headsets for bridge communication.

Safety System

CCTV, MOB alert, 5.4m AVON RIB quick launch rescue / work boat. Comprehensive QA system with Standard Safety audits completed

Consumption

Transit= 100l / hour
On survey= 100l / hour
Standby at sea= 50l / hour
Standby alongside= 50l / hour

Handling Facilities

Hydraulic Deck Crane HyTek Sea Crane 14t/m with high speed 1.5t sampling winch

Tugger Winch SAMIA Hydrobloc S35 3.5t SWL
A-Frame Aft 6.5t SWL.
Deck Winch Gearmatic Commercial Motors 6.5t SWL.
4 point mooring system available

External Communications

2 x Sailor VHF
2 x handheld VHF's for deck operations
GSM mobile & GSM fax
Satcomms via Iridium

Pumps

Pumps 2 x 2", 2 x 1.5" Fire/bilge deck wash

Special Features

COWRIE Compliant for Ornithological Surveys:
Exceeds the minimum eye height: (5.8m and 8.1m seated)
Exceeds the minimum cruising speed: (8.5 knots)
Exceeds the minimum vessel size: (23.5m)
Complies with not being a past or present fishing vessel
Provides ample space for multiple observers on both sides
Provides comfortable accommodation for off watch periods
Survey sensor instrumentation available
Residential Quality Exhaust Silencing

Survey Equipment Available

Vibrocoring & CPT equipment
Multibeam (swath) bathymetry systems
Multiaxis heave compensator systems
Geophysical profiling pinger and boomer systems
ROV for biological, geological survey and inspection
Dual frequency sidescan sonar systems
Seabed grab samplers (Hamon, Day, Van Veen etc)
2m and 4m beam trawls
Box corer, gravity piston and drop corer

Navigational Equipment

2 x radar including MARPA
1 x Sperry Robertson Autopilot
2 x colour echosounders
2 x CSI dGPS systems
UKHO Admiralty Electronic charting
Star_x Satellite differential GPS