



MMS
SHIP REPAIR • OFFSHORE • WORKBOATS

Envirocat

All-Electric **eco 8.5**



Plastic & Flotsam Collection Workboats

The all-electric **Envirocat Eco 8.5** plastic collection vessel has been designed to remove floating waste from the water's surface. The catamarans are built in marine grade aluminium to the very highest of British ship building standards, with ease of operation and low maintenance costs.

Powered by two electric outboards, the Eco 8.5 produces zero emissions and gives the vessel an approximate range of 4.5 hours at half throttle. Plastic is collected between the hulls as the vessel moves forward and is held in a 3m³ capacity cartridge.

The Eco 8.5 can be manufactured to owners' specific requirements, to carry out various activities. MMS has built Envirocat vessels to collect flotsam and surface oil for numerous harbours and ports in both the UK and overseas.

Role Capability

- Removal of plastic and flotsam
- Workboat duties

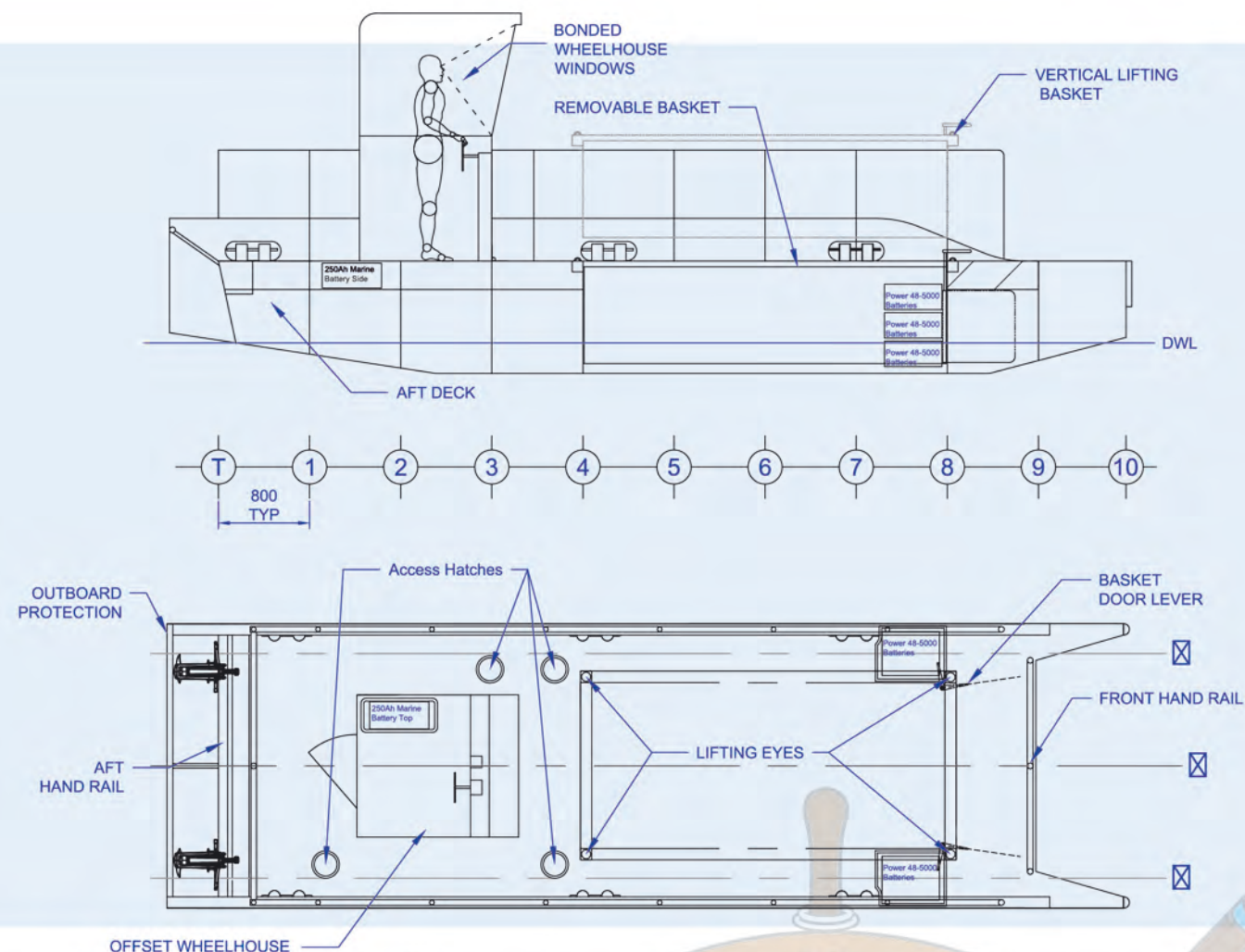


Envirocat

All-Electric eco 8.5

Multi-purpose plastic collection vessel ideal for use in harbours, docks, naval bases, inland rivers, canals, and lakes.

The Envirocat All-Electric Eco 8.5 is simple to use, efficient, cost-effective and 100% eco-friendly and a zero emissions vessel.



Dimensions

LOA	8.5m
Beam	2.55m
Draft	0.3m
Height	3.360m wheelhouse up (keel to mast head top)
	2.414m wheelhouse down (if fitted)
Weight	1.9 Tonnes
Deck fwd	4.6m x 2.3m
Collection basket	3 m ³

Construction

- Marine Grade Aluminium 5mm
- MIG & TIG welded throughout
- Tinted bonded wheelhouse windows
- Wheelhouse fixed or fold down

Mechanical

Power	2 x 9.9Hp / 6kW each Electric outboards
Batteries	6 x 200 AMP Hr @ 48 Volt

Habitat battery	100 AMP Hr 12 Volt (operates nav. lights / USB etc.)
Charging	6 x 650 Watt
Charging time	8 Hours (from zero)

Performance

Speed	7 Knots max.
Range full	3 Hours
Range half	4.5 Hours
Range slow	6 Hours

General

Vessel displays digital and colour indicators showing RPM, power consumption, distance, speed, batter usage.

Cost to fully charge approximately
£12 = £2 per hour Operational Cost
€13.96 = €2.33 per hour Operational Cost
(based on 2023 UK electric cost of 34p per kWh)

Designed in conjunction with Rockabill Marine Design.



Construction

Electric outboards

Power control indicators

High quality British shipbuilding





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Based in Hull, MMS Ship Repair & Dry Dock Co Ltd is a well-established shipyard which has carried out over 1,200 dry dockings, over 10,000 separate repair and conversion contracts and built over 20 different types of workboats.

www.mms-shiprepair.co.uk

MMS Offshore Renewable Services Ltd owns and operates vessels supporting offshore wind farm development. The company's vessels carry

out a multitude of roles during both construction and O&M stages, including various surveys, refuelling and carrying out oil change duties.

www.mms-offshore.co.uk

Our company strategy is to offer our clients a professional and hassle-free service utilising the right tools and equipment operated by a qualified local workforce.



Cert. No. 7700

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