



# Fisheries Patrol Vessel

# Merlin

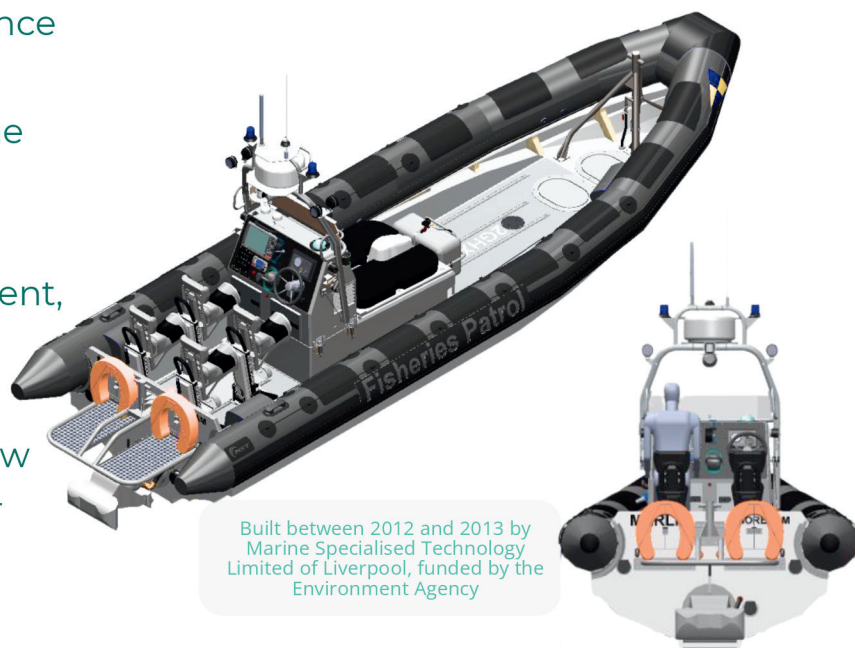


*Designed and purposefully built for  
patrol and survey capabilities &  
available for Chartered Survey work*

## FPV MERLIN

Merlin is the second IFCA vessel and is a purpose built 8m RIB. Merlin can operate independently out to sea and up in to the district's shallow waters; fulfilling a survey/research role if required to do so. Merlin was constructed to a stringent military specification, as such provides a reliable and robust inshore platform from which marine operations can be conducted.

At 8 metres, FPV Merlin is a fast patrol vessel designed for reliable performance in demanding marine environments. Robust, stable, and highly capable, she offers excellent endurance and operational versatility, making her perfectly suited to fisheries enforcement, coastal patrols, and extended at-sea monitoring. Her jet engine enables exceptional manoeuvrability in shallow waters while still providing the power and reliability needed for operations further offshore.



### Key design features tailored to her operational role

- Volvo Turbo Diesel with gearbox and Hamilton Jey unit that provides cost effective long operating range, shallow draft for river, harbour and near shore access.
- Navigation and communication equipment, suitable for compliance management and research needs.
- Shock-absorbing seating to minimise whole-body vibration and enhance crew comfort.
- Bespoke storage arrangements to provide security for fragile equipment at high speed and large forward working area.
- Mast array that can be easily lowered to access areas restricted by bridge heights.
- High performance tube material / construction to withstand boarding and research operations.
- Excellent access arrangements to power unit, gearbox and jet unit for maintenance needs.

## SPECIFICATIONS

### VESSEL DIMENSIONS

Length overall:	8.00m
Beam overall:	2.60m
Weight (100% fuel):	2780kg
Draught to keel:	0.56m

### CARRYING CAPACITY

Maximum POB:	4 people
Fuel capacity:	300 Litres



### CONSTRUCTION & CODING

Hull:	Composite GRP
Sponsons:	MST Heavy Duty Hypalon, mechanically attached c/w Bow Reinforcing Cap (BRC)
Coding:	MCA Workboat Code II (MGN280) CAT4 Vessel

### SPEED CAPABILITIES

Maximum speed:	30 knots
Cruising speed:	25 knots

### TECHNICAL DETAILS

Engine:	Volvo Penta D4 300HP
Water jet:	Hamilton HJ274 0 degree intake plate with 10.5kW impeller

