



FPV Merlin



Professional Fisheries Patrol Vessel Available for Chartered Survey Work

Designed and built with patrol duties and survey capabilities in mind

12a Riverside
Business Centre
Brighton Road
Shoreham-by-Sea
West Sussex
BN43 6RE

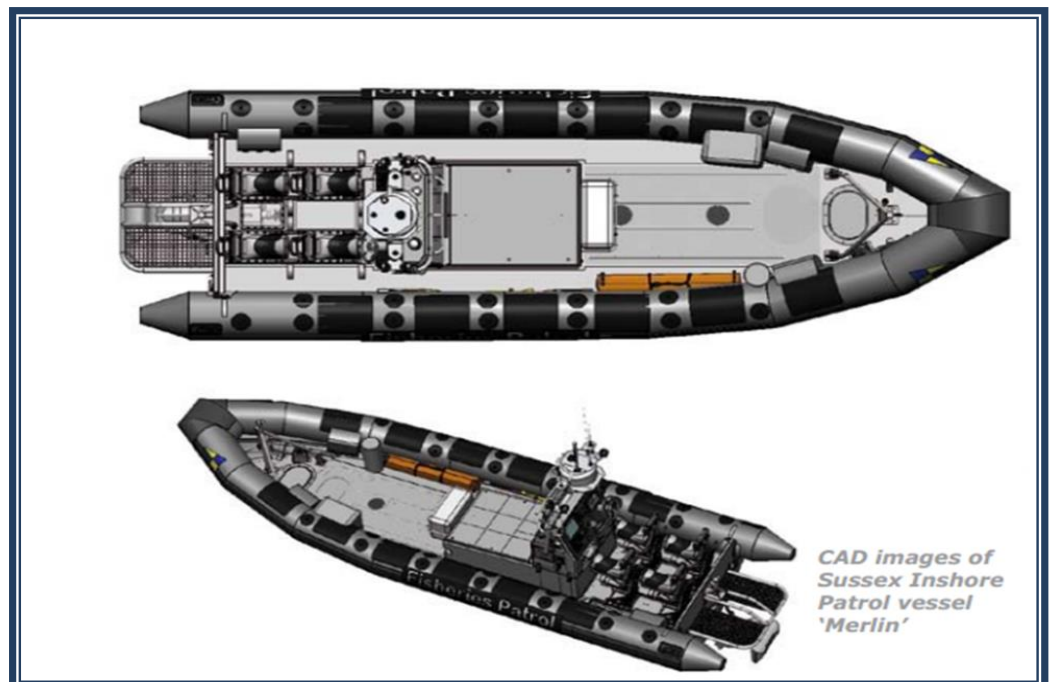
Email: admin@sussex-ifca.gov.uk
Web: www.sussex-ifca.gov.uk
Instagram: [@sussex_ifca](https://www.instagram.com/sussex_ifca)
Facebook: [@SuIFCA](https://www.facebook.com/SuIFCA)
Twitter: [@sussex_ifca](https://twitter.com/sussex_ifca)
Tel: 01273 454407 | Fax: 01273 454408

The Sussex Inshore Fisheries and Conservation Authority (SIFCA) are responsible for the management of marine fisheries and conservation in an area of over 500 square miles of Sussex coastal waters. The Sussex IFCA District covers a wide range of marine environments, including shallow natural harbours to exposed sea areas offshore 50 metres in depth. To undertake statutory duties the Authority operates specialist inshore craft for enforcement and research activities.

Fisheries Patrol Vessel 'Merlin' is the latest acquisition to support the Sussex IFCA's work, designed, built and delivered in 2012 & 13 by Marine Specialised Technology Limited, Liverpool.

Specific design features suited to its role include:

- Volvo Turbo Diesel with gearbox and Hamilton Jet Unit that provide cost effective long operating range, shallow draft for safe river, harbour and near shore access.
- Navigation and communication suite suitable for compliance management and research needs.
- Shock absorbing seating to protect crew against excessive body vibration and vertical compression.
- Bespoke storage arrangements to provide security for fragile equipment at high speed and a 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.



*CAD images of
Sussex Inshore
Patrol vessel
'Merlin'*

SPECIFICATIONS

PRINCIPLE DIMENSIONS

Length Overall:	8.00m
Beam Overall:	2.60m
Internal Beam:	1.60m
Weight (100% Fuel):	2780kg
Draught to Keel:	0.56m
Fuel Capacity:	1 x 300 litre



CONSTRUCTION DETAILS

Hull:	Composite
Console:	Marine Grade Aluminium
Jockey Seats:	Marine Grade Aluminium
Deck Plates:	Marine Grade Aluminium
Console Arch:	Marine Grade Aluminium
Stern Frame:	316L Stainless Steel
Bow Post:	316L Stainless Steel
Sponson	MST Heavy Duty Hypalon, mechanically attached c/w Bow Reinforcing Cap (BRC)

TECHNICAL DETAILS

Engine:	Volvo Penta D4 300HP c/w 1.25:1 ZF63 gearbox
Water jet:	Hamilton HJ274 0 degree intake plate with 10.5kW impeller
Craft Electrical System:	12V DC

STAND ALONE EQUIPMENT

Two towed sledges: Small & Large	GoPro 'Hero 7'
BlueROV2 underwater drone	Dropcam with live feed
Bowtech camera & umbilical	

