

CHARTER OPTIONS AND TERMS

Arrangements to charter can be specifically developed according to client needs including options for short half day access through to extended periods for survey requirements. Flexible charter terms to accommodate unforeseen sea conditions can be negotiated as required.

For enquiries regarding vessel hire please contact:

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Commercial Workboat
Watchful

Inshore Fisheries Patrol
& Research Vessel
Technical Specification

Designed and built to deliver patrol and survey needs



Introduction

Fisheries Patrol Vessel Watchful is a bespoke design, purpose built to support modern inshore fisheries management. The vessel's operators, the Sussex Inshore Fisheries & Conservation Authority, can offer the vessel for charter to support appropriate marine activities in the eastern English Channel within UK waters.

The vessel is crewed by qualified and experienced Sussex IFCA officers. The vessel's capacity enables the carriage of up to 10 passengers according to crew requirements for the defined charter work.

The vessel has previously been engaged in contracted activities on behalf of: Cefas, Marine Management Organisation, British Geological Survey, Natural England and Brighton University.

The vessel's high technical specification and build quality provides a safe, robust, well equipped and comfortable platform from which a wide range of marine work can be conducted.

The craft specification includes: a fully integrated SIMRAD and Transas ECDIS system, 240, 24 and 12 volt power systems, integrated electronic and mechanical survey systems and access to a range of high quality loose kit including cameras and water sampling equipment.

Survey Capabilities

Watchful is fitted with WASSP Multi-beam Sonar technology. The system uses a wide-angle sonar transducer to produce profiles of both the water column and seafloor to a high degree of accuracy and resolution.

Configuration

The transducers emit a 120° port-starboard swath of the water column and seafloor. The 112 dynamic beams emitted and processed by the system can help detect and position reefs, wrecks, fish schools, changes in seafloor hardness and foreign objects in the water column or on the seafloor.

The WASSP system allows for an excellent method to monitor the bathymetry of the seabed as required.

Daughter Vessel

Watchful carries a 5 metre Delta RIB tender, the craft is carried and contained within an integral stern ramp exiting at the transom's waterline. This provides exceptionally safe deployment and recovery without the need to lift the RIB with a hoist.

Deck Space

As required braced checker plate deck covers can be installed over the daughter vessel's stern ramp. This allows for more working space (approx. 15m²) during survey operations. The vessel has a fitted deck winch and davits for survey and loading needs.

Accommodation

Below deck level the accommodation area includes 4 berths, table, seating area for 6 and a fully equipped galley, toilet and shower.



SPECIFICATIONS

Name of vessel: Watchful
Type of vessel: Fisheries Patrol; Fully coded Cat 2 – MCA/YDSA Workboat Code
In survey to: Sea Fish Industry Authority
Home port: Shoreham
Builder: Uki Workboat Ltd 2013
Designer: Uki Workboat Ltd
Owner: Sussex IFCA
Operator: Sussex IFCA
Range of operations: Eastern English Channel
Length o.a.: 18.35m
Beam: 5.20m
Draught: 1.5m
Depth: 3.00m
Displacement: 35 tons
Tonnage/s: GRT 42

HULL & STRUCTURE

Construction Material: Aluminium ENAW 5083
Fuel capacity: 8000 litres
Freshwater capacity: 500 litres
Sewage water capacity: 100 litres
Deck cargo capacity: 1000kg
Crew: 4 persons
Passengers: 4 persons (max. no. 10 persons)
Maximum speed: 23 knots
Cruising speed: 18 knots
Winches: Spencer Carter
Capstan/Windlass: Lofrans Falcon
Liferaft/s: One 8 person + one 6 MAW
Rescue boat/s: Delta 550D/Mercruiser D1.7L
Lights: Norselight 260
Rope/Chain: 3/8 " 50m
Anchors: 40kg HHP
Steering System: Hydraulic
Paints/Coatings: International
Windows: LAN
Main Engine/s: Caterpillar 3406E 522 kW/2200 rpm
Gearbox/s: Twin disc 5114 Quick Shift
Propulsion: 2 x propellers 31 x 32"
Auxiliary engine/s: Westerbeke 20BED-514
Generator/s: 230 v/50 HZ/20 kW/1500rpm search
Side thruster/s: Side Power SP300, 23 kW
Hydraulic equipment: Bosch Rexroth
Electrical installations & supplies: YIT Telesilta Oy
Integrated electronics: Simrad UK
Radars: Simrad RA52C, 15"
 Simrad CA44D, 10"
 Iridium S860-24

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ECDIS: Transar Navisailor 4000 LDS
Computer: RS6 type approved TFT display 19" Hatteland

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Navigation Software: Transas RS6
Depth sounder: Simrad EQ60 Black box
Radio/s: Simrad RS86/87
G.M.D.S.S. AIS: Simrad AX 50
VHF Direction Finder: Simrad Class A
Navtex: TAIYO TD-C 1550B
GPS: ICS NAV 4 Plus
Auto Pilot: Simrad GN 33
Compass/es: Simrad AP 50
Safety Equipment: Simrad HS 50 GPS
M.O.B. System: SART, EPIRB
Internet: Sea Marshall CREWguard GG-121 Mk.II
 Deltenna WiBE Wireless Hub

SEABED CLASSIFICATION

Software: OTC 5 PI
Hardware: Kontron Field Works 8500
Sonar System: WASSP (See 'Survey Capabilities')

STAND ALONE EQUIPMENT

Two towed sledges:
 Small & Large
 GoPro 'Hero 3'
 Video Ray 2002
 Dropcam with live feed
 Bowtech camera & umbilical
 EdgeTech 4200
 Side Scan Sonar

