

VEHICLE CHARACTERISTICS

Length	3.0m
	GRP payload module (centre section)
Sea state	Operations in up to and including sea state 2
Speed range	10 knots maximum speed 3.5 knots cruising speed
Endurance	6-8 hours at cruising speed
Launch and recovery	Four integrated lift points for overhead lift via slings and shackles UK road legal trailer for slipway launch
Navigation aids and sensors	Solid-state compass Class B AIS transponder Port and starboard navigation lights, all-round white light Horn
Cameras	360-degree camera box featuring four daylight cameras (forward/aft/ port/ starboard) and one forward-facing thermal (IR) camera
Propulsion	2x 24V DC electric motors driving 3-bladed propellers
Standard vehicle control	Mission planning (lines, waypoints, station keeping, geofencing) Direct remote control via a hand-held control unit
Primary communications link	100mW COFDM IP mesh radio Tuneable RF channel bandwidths of 1.25 MHz to 10 MHz ~1-2km range with remote station antenna height of 3.5m

C-Cat 3's shallow draught and excellent maneuverability make the vehicle an ideal solution for hydrographic survey, above-water mapping, UUV location and tracking, and acoustic communications. Powered by 24V DC electric motors and with a lithium battery inside each hull compartment, C-Cat 3 can carry out a full day of standard operations from a single battery charge.

C-Cat 3 is quick to mobilize and can be easily transported via a legal trailer. Alternatively, C-Cat 3's three main sections can be disassembled for transportation inside a standard van and quickly re-assembled at the launch site. The vehicle can be trailer launched via a slipway, or by overhead lift with slings and shackles via four integrated lift points.

C-Cat 3 is operated using the ASView control system, which enables pre-programmed missions to be set up, executed and monitored via a graphical user interface. Control modes include waypoint and line following, heading and track hold, station keeping and