

C-Sweep

Multi-Role ASV

The C-Sweep is a rugged high performance ASV offering solutions to applications including mine sweeping, mine hunting, anti-submarine warfare and remote sensing and surveillance. The vehicle's high degree of directional stability, substantial towing capability and a robust electrical generating capacity make it a suitable option in supporting modern mine warfare. The vehicle can deploy, track and interface with other autonomous systems including ROVs and AUVs. C-Sweep can operate towed sonars and other subsea sensors as well as above water payloads such as camera suites.

KEY FEATURES



- Robust glass reinforced plastic or aluminium hull
- Twin diesel engines
- Protected wheelhouse for manned operations (dive support boat etc.)
- Suitable for towing
- Operated using the ASView Control System
- Direct control, semi-autonomous and autonomous modes
- Real time data and video feedback
- Sensor data channels and redundant emergency stop system

APPLICATIONS



Halcyon C-Sweep designed and built for Thales UK

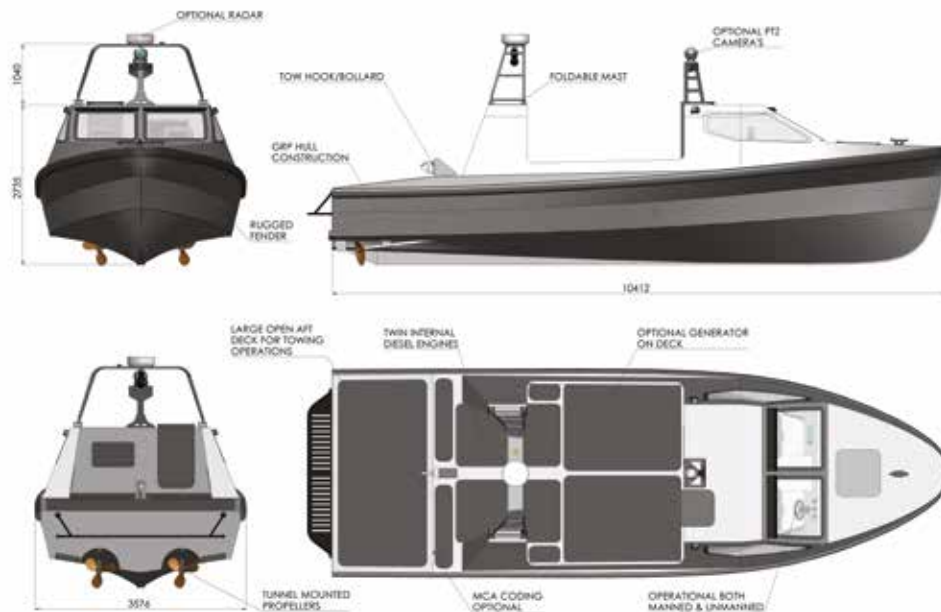
- Mine sweeping
- Mine hunting
- Deployment of inspection and disposal of ROVs
- Deployment, tracking and recovery of AUVs
- Hydrographic survey
- Towed sonar
- Remote sensing and surveillance
- Anti-submarine warfare

We are passionate about developing autonomous maritime vessels. Since 2008 we have pioneered the development of unmanned technology. We have designed and built more than 80 vessels which are now deployed all over the world in the service of the oil & gas, scientific and defence sectors. We are the sector's most experienced, tested and successful developer. We employ a world class team to deliver a safe, efficient, and reliable solution.

C-Sweep

TECHNICAL SPECIFICATIONS

C-Sweep	
Length	10.8m
Beam	3.5m
Height	2.9m
Draft	0.7m
Weight	~9000kg
Propulsion	2 x marine diesel engines
Speed	25+ knots
Range	230nm+
Fuel Capacity	2300 litres
Control	ASView direct, semi-autonomous or autonomous modes
Communications	UHF, L/S Band, Sat-Comms
Options	Sidescan, multi-beam, USBL, clip-on mine sweep or winch deployed electric sweep, AUV/ROV launcher.



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