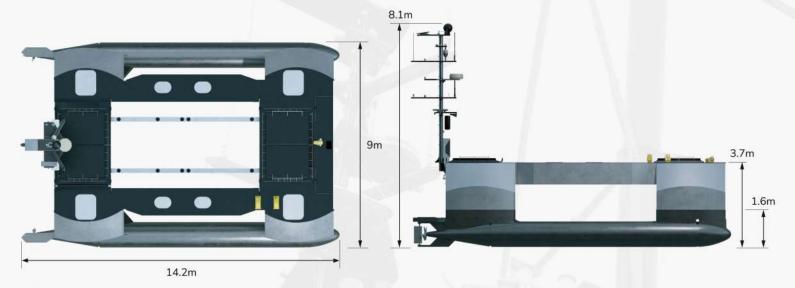


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PIONEER DESIGN FEATURES



UK MCA Commercially Coded:

Compliant with UK Maritime and Coastguard Agency Workboat Code Edition 3 for Remote and Unmanned Vessels (pending April 2025)



Reliability and Maintainability:

Installed redundancy in C3 systems, easily-removable modular rack-mounted electrical and propulsion systems



Payload Modularity:

Features an ISO-container footprint moonpool for ease of payload integration, interfacing, air gapping and logistical management. The moonpool enables the stable deployment of surface, subsurface and aerial payloads through the centre of the vessel



Persistence:

Multi-week seagoing endurance for unlimited open-ocean operations, capable of payload operation in significant sea states (capability for ROV operation in >4m Hs)

CRAFT TYPE	Uncrewed Remotely-Operated SWATH: Cat 0 (Open-Ocean Unlimited)
DRAFT	1.6m
LENGTH	14.2m
BEAM	9m
MAST HEIGHT (FROM DWL)	8.1m
MAX DISPLACEMENT	25.7t
MOONPOOL DIMENSIONS	6.5m x 3.8m (accommodates a TEU 20ft ISO or 2 x 10ft ISO containers)
MAX PAYLOAD	6500kg
OPERATIONAL SPEED	4 knots
MAX EFFICIENT SPEED	6.5 knots
ENDURANCE	18 days at 4 knots (CGH2 @ 350 bar), 50 days at 4 knots (Diesel)
POWERTRAIN OPTIONS	Battery-Electric Powertrain (Standard): 2 x 124kW E-motors, 2 x 63kW Li-ion Batteries, Range Extender (Options): 2 x Hydrogen Fuel Cells (350 bar CGH2 tanks) or 2 x Diesel Generators (3,000l tanks)
NAV SUITE	Fixed Cameras, EO & IR PTZ Cameras, Nav Radar, AIS, Weatherstation, GPS, Heading Sensor, VHF Radio Relay
COMMUNICATIONS	LeoSATCOM, Wifi, 4/5G, UHF Radio
PAYLOAD OPTIONS	Utilitarian ISO-footprint moonpool permits various air, surface and sub-surface payloads and/or sensors.



