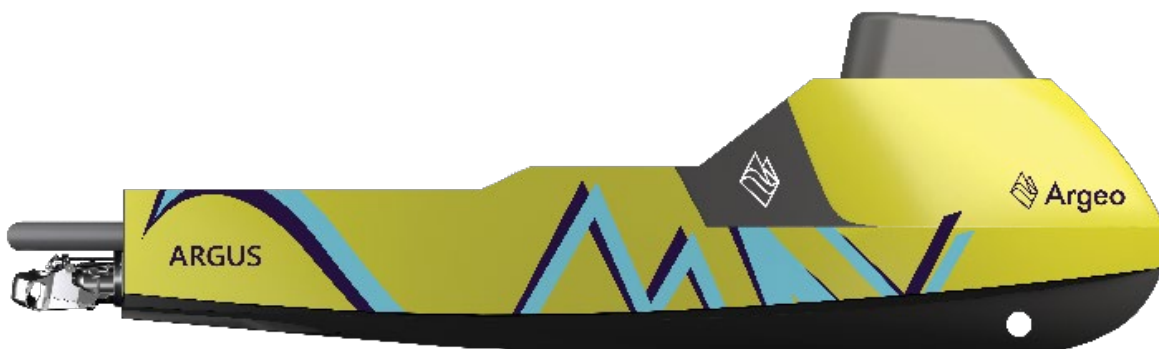


Unmanned Surface Vehicle

ARGEO USV



Uninterrupted shore-to-shore operations

The Argeo USV is a multi-purpose unmanned vehicle for offshore and coastal applications, offering a stable, low emission hybrid platform equipped with state-of-the-art navigation, supervision and hydrographic/geophysical technology. Standard instruments include SVP, single and multibeam echosounders and sub-bottom profiler. Configurable back-deck and two moonpools allow for very high operational and sensor configuration flexibility. Radar, HD optical and thermal cameras with full suite of high bandwidth communication and navigation equipment assures a worldwide safe remote supervised operation 24/7.

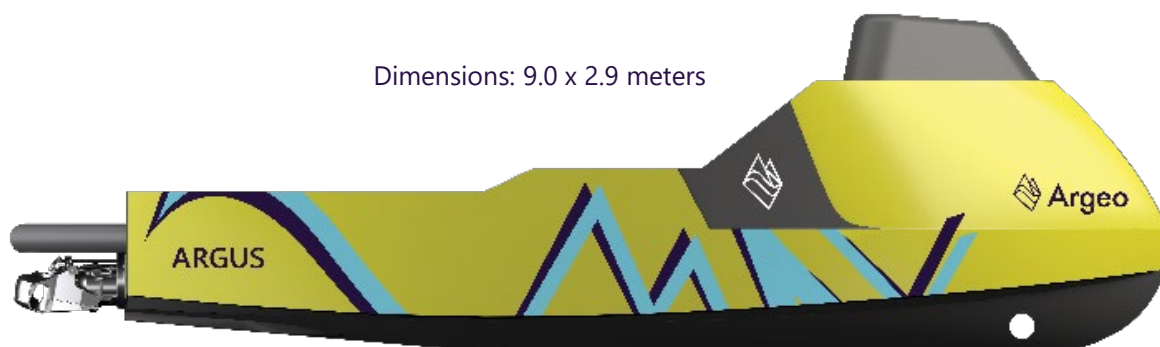
Key features

- Flexible aft deck for multiple payloads
- 2 x configurable moonpools
- 2 x independent propulsion systems
- Integrated geophysical/hydrographical sensors
- Stabilizer for improved data and communication quality
- Remote operated from Onshore Mission Control

Key benefits

- Long endurance – up to 30 days
- Transportable by 40-foot flat rack container
- Hybrid propulsion system
- Real time supervision and data QC
- DP1 capability (station keeping)

Dimensions: 9.0 x 2.9 meters



Safety and communication sensors

Collision avoidance sonar	Integrated Broad Band Radar
Marine Detection & Warning	Class B AIS
Visual Surveillance & Monitoring	FLIR 364C optical/thermal
Visual Surveillance & Monitoring	Forward facing camera, 102 deg
Radio Systems	Kongsberg Marine Broadband Radio MBR179, Wifi (300m)
Vessel to shore Sat com	VSAT, Iridium and 4G

Navigation and environmental sensors

INS	POS MV Ocean Master INS 30
DVL	RDI Tasman DVL (300 kHz w/ADCP)
GNSS	GNSS compass (L1)
Sound velocity Profiler	Valeport Swift SVP – integrated winch

Speed and power

Max Speed	12 knots
Transit Speed	8 knots
Operating Speed	3-6 knots
Fuel capacity	2000-liter diesel (option for extra tank)
Electric	3-4hr (option for extra batteri)

Payload sensors

Multibeam	Teledyne Reson T51 R DF 400/800KHz
Sub-Bottom Profiler	EdgeTech 2205 1-10KHz
Single-beam Echosounder	ODOM Echotrac E20-DC (Dual Channel)

Weight and dimensions

Length	7.99 m
Weight (base configuration)	Approx. 5 tons
Width	2.9 m

Shipping information

Container	40-foot flat rack
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Argeo USV vs. 1.1 29.04.2022