

FREEDOM TO DISCOVER™



Solar panels for rechargeable battery and thruster power

Retractable wingsail enables submerging

Auxiliary thruster for added agility

Twin redundant steering rudders

Dual composite wingsail design for speed and maneuverability

Wind propulsion for speeds to 5+ knots

Communications antenna, anemometer, LED navigation light and 360° camera

Length: 4.14 meters
Height: 2.45 meters

The Ocean Aero Submaran™ is the first hybrid wind and solar-powered surface and subsurface vessel designed for extended ocean observation and data collection.

Built for speed, efficiency and maneuverability, the Submaran is powered by a unique composite wingsail. The combination of wind and solar power enables the Submaran to cover long distances with the navigating agility for extended station keeping

and prolonged monitoring. Solar rechargeable lithium ion batteries power a payload large enough to configure a wide of sensors and observational systems.

The Submaran has the added versatility of underwater capability. The wingsail folds and retracts allowing the Submaran to quickly submerge to evade detection and severe weather conditions as well as perform subsurface data collection tasks.

For more information and availability visit www.oceanaero.us

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A new level of surface and subsurface versatility.

Strategic Capabilities:

- Intelligence, Surveillance, and Reconnaissance
- Gateway/Cross-Domain Communications
- Marine Security
- Environmental Sensing and Sampling
- Remote and Protected Area Monitoring
- Bathymetric Survey
- Marine Mammal Tracking
- Ocean Water Column Sampling
- Met-Ocean Data Gathering
- Persistent Situational Awareness
- Fishery Asset Survey

The Submaran can submerge to avoid surface conditions as well as perform subsurface data collection tasks.

The combined surface and subsurface capability of the unique Ocean Aero Submaran™ represents a new level of persistent ocean autonomy with robust survivability and self-sufficiency.

Practical and easy to transport from land, sea or air, the Submaran requires only a two-person team for launch and recovery. For more information and availability visit www.oceanaero.us

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