

Ocean Aero, Inc is a San Diego-based company that produces a unique hybrid autonomous underwater and surface vehicle (AUSV). The Ocean Aero AUSV is an ocean-going, self-navigating unmanned vehicle that can transform from a surface-sailing vehicle utilizing a wing-foil sail for propulsion—into a submersible vehicle capable of diving to a maximum of 200m depth. Primary propulsion is attained using wind energy with a secondary propulsion option using thrusters energized by a solar rechargeable Li-ion batteries.

Ocean Aero's Generation III AUSV is available in three models, all based on the same hull dimensions (i.e. 4.0m LOA) but distinguished by varying capabilities

**Navigator** will dive to a depth of 200 meters and navigate underwater using autonomous operation mission criteria (dead reckoning, GPS, INS and DVL sensors) and multiple thrusters, for up to four days before returning to the surface to recharge batteries using the solar paneled deck.

**Discovery** dives to 100 meters and remains submerged for up to three days while drifting in ocean currents (does not navigate underwater) before returning to the surface to recharge batteries using the solar paneled deck.

**Scout** primarily operates on the surface but is also capable of folding the wing foil sail and submerging to "decks-awash" to avoid detection and rough weather conditions.

For additional information, please visit our website at;

[www.oceanaero.com](http://www.oceanaero.com)

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