



» Center lift point for easy deployment from crane.

SEATRAC SYSTEMS: COST EFFECTIVE, MULTI-PURPOSE & LONG ENDURANCE USVs

Looking for the sweet spot of affordability, versatility, persistence & payload power?

That's what SeaTrac Systems co-founders Buddy Duncan & Jigger Herman decided mattered most when they surveyed the market for uncrewed surface vehicles (USVs). You want a vehicle that can go the distance, operating near shore or far over the horizon. You want it to support power-hungry sensors without running out of juice, even on cloudy days. You want it to go upwind, downwind, loiter & avoid obstacles. You want it to be easy to deploy & recover, from a crane, ramp or ship. You want it to perform every high-tech application imaginable, but with a low-logistic, straightforward design with no extraneous appendages & moving parts, because anyone who works in water knows that things break. As MIT naval architects & sailors, Buddy & Jigger set out to design a superior solution & SeaTrac Systems' SP-48 checks all those boxes.

The solar-powered, 4.8m SP-48 is a low-logistic, sensor-agnostic persistent USV with Automatic Identification System (AIS) collision avoidance, speed of 5knts, 500W payload power & 70Kg payload capacity. Built to operate in all marine environments, the SP-48 has a self-righting hull & efficient electric motor that frees it from reliance on wind or waves for propulsion. Communications are achieved by line-of-sight Radio Frequency (RF), cellular, high-bandwidth satellite or custom networks.

The SP-48 is designed for commercial, scientific & military users who require a flexible data gathering & communications platform. Early customers range from marine biologists at WHOI & NOAA measuring HAB in real time, to researchers from Mississippi State University and The University of Southern Mississippi performing water quality monitoring & threat assessment for the Army Corps of Engineers. SeaTrac is presently gearing up to trial offshore wind and oil & gas applications, such as loop current monitoring,

hydrographic surveys & mammal/fisheries monitoring.

"Increasingly customers' missions have grown in complexity requiring a range of sensors & they're looking for less costly, less resource-intensive & more flexible solutions to carry out a variety of tasks simultaneously in the challenging marine environment," said Co-founder Buddy Duncan. "SeaTrac's customizable USVs offer a simple, cost-effective & open platform to perform the dangerous, dull & dirty work with greater efficiency over current methods."

About SeaTrac Systems, Inc.

SeaTrac Systems, Inc. manufactures, sells & rents cost-effective, multi-purpose long endurance solar-powered Uncrewed Surface Vehicles for commercial, scientific & military applications. The SeaTrac USV is perfect for research, monitoring or surveillance tasks where autonomy, cost & ease of deployment matter. For more information, visit www.seatrac.com.



» SP-48 operates in all marine environments.