Adventures with SeaTrac

Presenter: Alessandra Bianchi, Communications Director
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Sustainable USV platform
Persistence, Power, Price

SeaTrac SP-48
- 4.8m
- Self-righting hull
- Near shore to open ocean operations
- Solar powered
- Collision avoidance
- Up to 500W max payload power

One Platform, Unlimited applications...

Jigger Herman & Buddy Duncan
One Platform: unlimited applications
Easily configurable with a wide variety of payloads

- Environmental Monitoring
- Hydrographic Survey
- Situational awareness
- Communications and Tracking
- Acoustics
Sonar unit: **Norbit iWBMSH-N**

Near shore, shallow, cluttered environments to open ocean
Eel grass mapping
Using aquatic habitat echosounder

Sonar unit:
BioSonics DT-X Extreme

SeaTrac
Water quality monitoring
Chlorophyll and turbidity data
SeaTrac partners with USF, NOAA & Fugro in Hydrographic Survey of Tampa Bay and Gulf of Mexico

A subset of multibeam bathymetry data (met; depth in meters alongside color scale) collected in Blind Pass, Treasure Island, Florida, using an uncrewed surface vessel, or USV, by the Center for Ocean Mapping and Innovative Technolo(u)gies (COMIT) at U. SeaTrac Systems during the Tampa Bay Nested Survey in December 2021 and January 2022.
What’s next?

We are ready to assist in your next challenging mission:

- Shallow waters to open ocean
- Standard-to-custom payloads (including power hungry sensors)
- On-demand to real-time data

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SeaTrac

Video by Eckerd College/Joe Salcedo