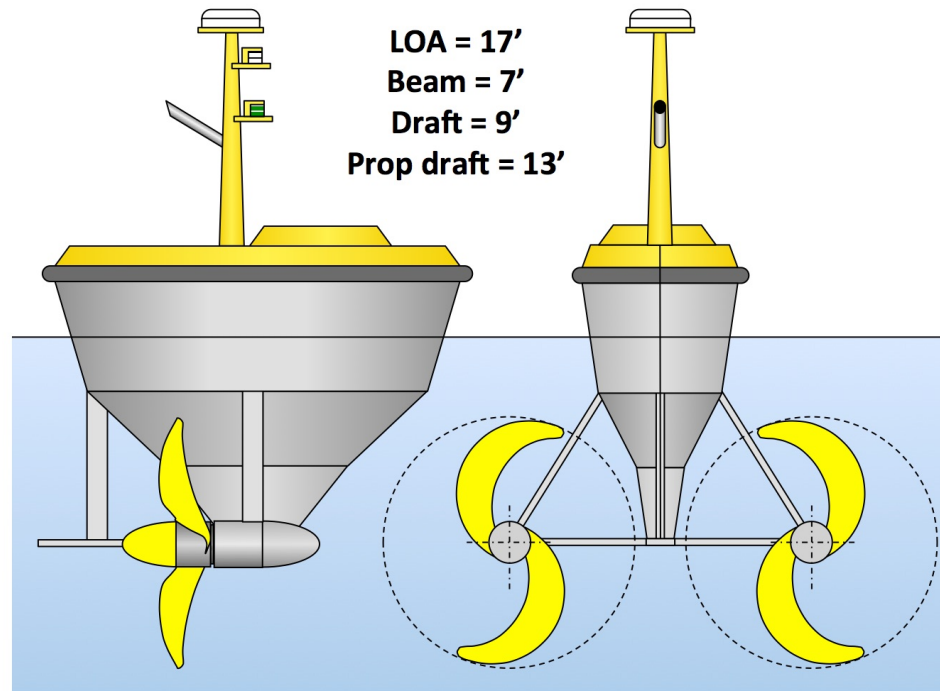


C.A. Goudey & Associates

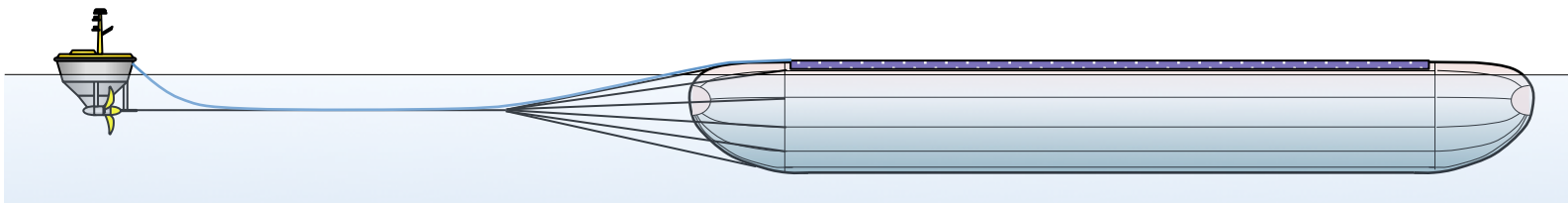
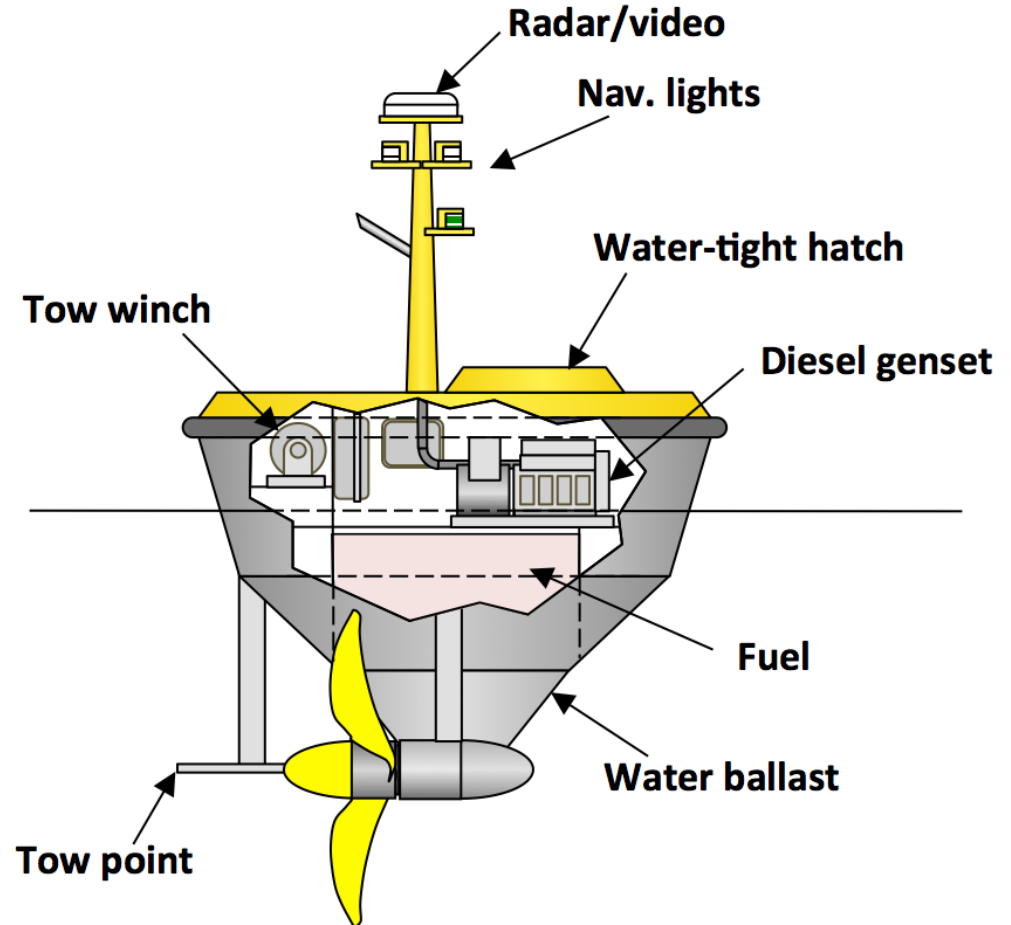
A start up aimed at developing purpose-designed and purpose-built systems to work on the ocean. We see unmanned system looking very different than the vessels that in the past have taken us to sea. By identifying key tasks and starting with a blank sheet, we see unconventional system doing offshore tasks more efficiently and economically than simply adding autonomy to previously manned systems.

Tow Drone
optimized for
low-speed towing



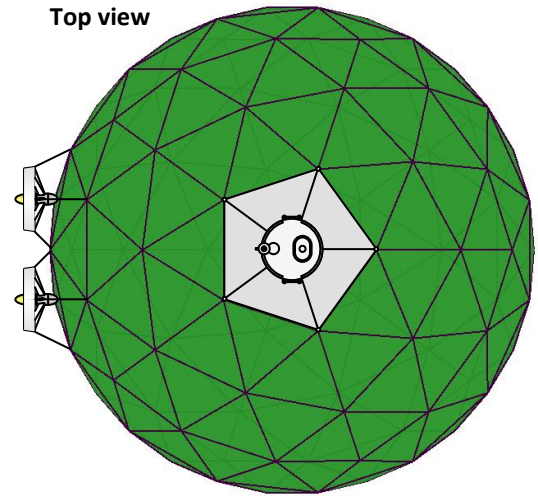
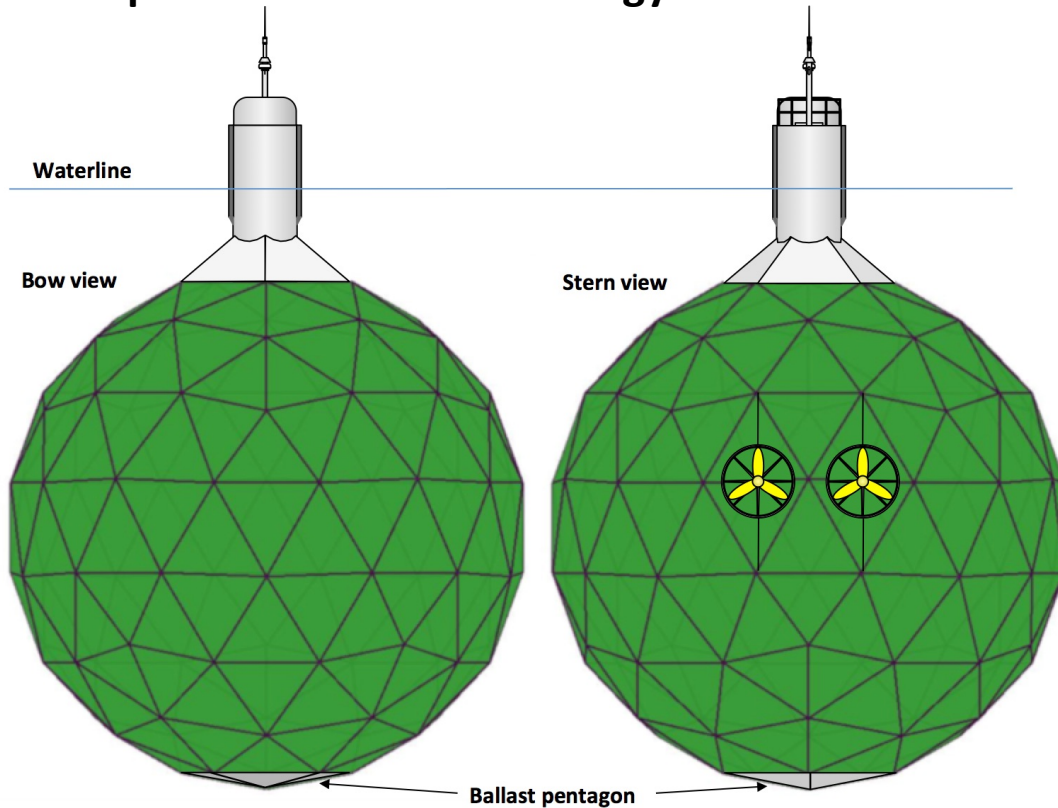
Tow Drone

- Propulsion from a pair of 8-foot diameter propellers powered by 5.44 kW electric motors
- Electrical power from one 12-kW diesel genset.
- Capable of remote piloting or autonomous operation.
- 1,630 lbs. bollard pull
- Ideal for situations where slow toing is preferred, e.g. water bags
- The top surface of the tow can collect solar power for zero-emission transits.



Mobile Autonomous fish farming

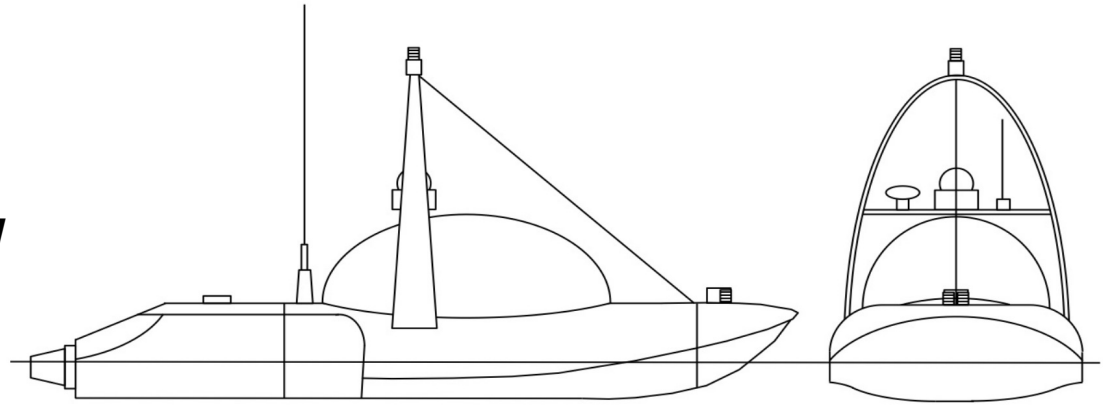
- Eliminates the need for and pollution of a farm site
- Able to move with optimum temperatures and water quality
- Simplifies permitting
- Start at hatchery route to market
- Exploit ocean currents and gyres



First sea trials in Culebra 2007

Autonomous Mobile Observation System (AMOS)

- AMOS is an autonomous adaptation of a water-jet powered kayak fitted with telemetry and sensors
- Fitted with surface and UW video, sonar, and water quality sensors
- Unique Mokai kayak offers high speed (20+ kts), long endurance (48 hr.), and will be self righting



Typical survey track for biomass measurements and system integrity

