

COMPANY SPEC SHEET

Deep Sea Dogs - Allan Hancock College

Marine Robotics | Systems Engineering | Technical Innovation

Company Specs

Company name: Deep Sea Dogs **School:** Allan Hancock College **Home:** Santa Maria, California, U.S.A. **Distance to World Championship:** Approx. 4,553 miles **History of MATE ROV competition participation:** Most members are new to MATE ROV competition participation, four are returning.



Left to right: **Jesus Garcia** - Hardware Specialist, Soph., Returning; **Ashley Astudillo** - Marketing/Tech Writer, Soph., New; **Lindsay Tafoya** - Systems Support, Soph., Returning; **Colson Pusley** - CEO, Soph., Returning; **Storm Salazer** - Electro-Mechanical, Soph., New; **Jazmyn Carpenter** - Mechanical Support, Soph., New; **Rosalinda Hernandez** - Systems Support, Soph., New; **Jacob Akanji** - Software Engineer, Soph., New.

Not pictured: **Cai McCray** - Electrical Engineer, Soph., Returning; **Cohen Metzger** - Electro-Mechanical, Soph., New.

ROV Specs

ROV name: Scylla **Total cost:** \$3200 **Donated items (approx.):** \$1920

Size: 32 in. x 22 in. x 13 in. **Weight:** 40 lbs.

Total student-hours to design and build: 520 hours

Safety features:

- Modular shrouding for task-specific protection
- Dedicated fuse box to reduce electrical hazards
- Rounded frame design for safer handling
- Leak sensor to help protect onboard electronics

Special features:

- Modular HDPE/PETG frame
- Custom fuse and power PCBs
- BlueOS control system
- Fold-out electronics stack



- Quick-release upper frame