

Mustang Robotics



Explorer Company since 2015
California Polytechnic State University
Cal Poly Robotics Club

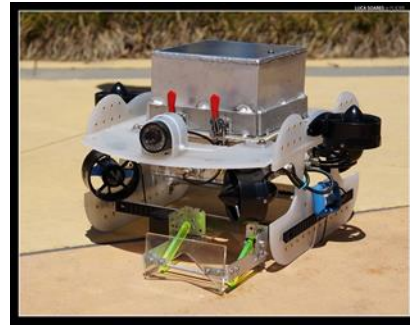
Located in San Luis Obispo, California
1,500 miles from Johnson Space
Center & 390 million miles from Europa

Our Company



- Andrew Hostler:** CEO, Junior, second year competitor
- Jesse Tambornini:** Systems Design Lead, Junior, second year competitor
- Lisa Dischinger:** Mechanical Design Lead, Junior, second year competitor
- Sam Romano:** Electrical Design Lead, Senior, second year competitor
- Kyle Gonsalves:** Software Design Lead, Junior, second year competitor
- Andrew Corvin:** Mission Design Engineer, Junior, second year competitor
- Tyler Batchelder:** Mission Technician, Junior, first year competitor
- Jonathan Lokos:** Mechanical Design Engineer, Freshman, first year competitor
- Andrew Melrose:** Mechanical Design Engineer, Sophomore, first year competitor
- Jose Borges:** Interconnect Design Engineer, Sophomore, first year competitor
- Dylan McFarlane:** Interconnect Design Engineer, Sophomore, first year competitor
- Luca Soares:** Sensor Interface Designer, Freshman, first year competitor
- Josh Chung:** Electronics Engineer, Junior, first year competitor
- Mark Pasanen;** Earth Science, Senior, first year competitor

Our ROV



Our company is proud to present Sebastian, a work class ROV designed to handle the rigors for the deep sea and deep space. Sebastian represents the sum total of 1,500 hours of work by our dedicated team, along with \$3,300 in production costs. Our ROV has a GFCI and 15 Amp fast-blow fuse topside, along with fuses to each of our thrusters to ensure that our ROV will not suffer permanent damage due to an electrical problem, as well as ensuring the safety of all operating technicians. We have also included temperature sensing capabilities to prevent overheating. Our ROV is designed to be easily serviced as well, with toggle latches allowing ease of access to the electronics, and a quickly detachable tether to aid transport. Our ROV is tuned so buoyant forces help ensure stability while driving. The GUI features an artificial horizon which enables the driver to determine the attitude of the ROV