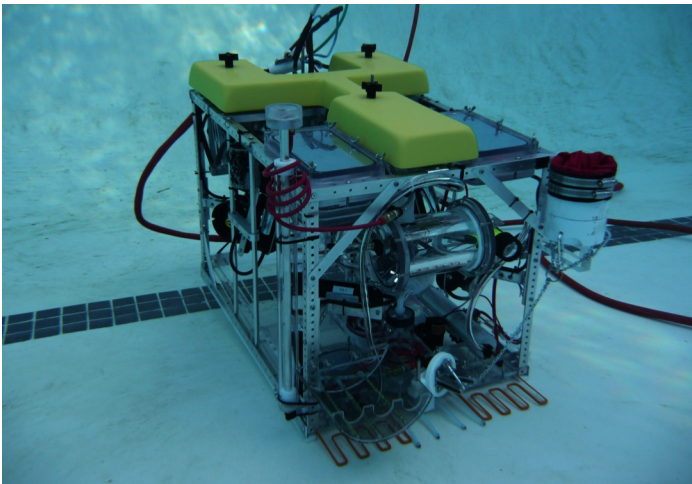




Company Name: ROVotics
School Affiliation: Jesuit High School
Grade Levels: 9-12
Headquarters: Carmichael, CA
Distance Traveled: 2,500 Miles
Previous MATE Appearances: 2006 - 2011

TRITON



- Total Cost:** \$3,880.00
Primary Materials: Aluminum, Polycarbonate, Fiberglass
Dimensions: 64cm x 44cm x 45cm
Weight: 26kg
Safety Features:
 - Fusing / circuit breakers
 - Internal temperature and humidity sensors
 - ROV auto-shutdown upon communication loss**Special Features:**
 - Vector Thrust
 - Wide-Angle / Tilting Cameras
 - Fuel Oil Retrieval System
 - Site Survey Capabilities
 - Biological Sample Recovery Tools
 - Auto Depth / Heading Hold
 - Wireless Telemetry Broadcast

Triton is a work class ROV designed to survey shipwreck sites and remove oil from sunken ships. The open aluminum frame facilitates easy mounting and servicing. *Triton* is capable of measuring the position and length of a ship, scanning ship content, detecting metal, retrieving oil from a tank, removing a ship mast, and collecting coral.

- | | |
|--|---|
| Joe Griffin '12
<i>Chief Executive Officer</i> | Amirali Akhavi '14
<i>Engineer</i> |
| Evan Arnold '12
<i>Chief Financial Officer, Pilot</i> | Tyler Honnold '14
<i>Engineer</i> |
| Greg Marchese '12
<i>Director of Engineering</i> | Nolan Schneider '14
<i>Engineer</i> |
| Alan Luu '12
<i>Website Administrator</i> | Nick Sopwith '14
<i>Programmer/ Electronics</i> |
| Spencer Breining-Aday '13
<i>Head Machinist, Pilot</i> | Andrew Standriff '14
<i>Engineer</i> |
| Chris Konstad '13
<i>Head Programmer</i> | Alex Aprea '15
<i>Programmer/Composites</i> |
| Drake Nylund '13
<i>CADD</i> | Jared Borg '15
<i>Programmer</i> |
| Jesse Tambornini '13
<i>CNC Specialist</i> | Ryan Kenneally '15
<i>Engineer/Composites</i> |
| | Matthew Woollgar '15
<i>Engineer/Composites</i> |



Changes to *Triton* since Monterey Regional Competition:

- Installation of most mission-specific accessories, including Fuel Oil Retrieval System, Coral Payload, Metal Detector, Scanning Beam, and Lift Bag
- Replacement of Temporary Buoyancy Capsules with Production Buoyancy Unit
- No Changes to Primary Control, Power Delivery, Tether Control Unit, Video System, or Safety Systems