**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.

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Joe Griffin ‘12  
*Chief Executive Officer*

Evan Arnold ‘12  
*Chief Financial Officer, Pilot*

Greg Marchese ‘12  
*Director of Engineering*

Alan Luu ‘12  
*Website Administrator*

Spencer Breining-Aday ‘13  
*Head Machinist, Pilot*

Chris Konstad ‘13  
*Head Programmer*

Drake Nylund ‘13  
*CADD*

Jesse Tambornini ‘13  
*CNC Specialist*

Amirali Akhavi ‘14  
*Engineer*

Tyler Honnold ‘14  
*Engineer*

Nolan Schneider ‘14  
*Engineer*

Nick Sopwith ‘14  
*Programmer/Electronics*

Andrew Standriff ‘14  
*Engineer*

Alex Aprea ‘15  
*Programmer/Composites*

Jared Borg ‘15  
*Programmer*

Ryan Kenneally ‘15  
*Engineer/Composites*

Matthew Woollgar ‘15  
*Engineer/Composites*

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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
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