

rovotics

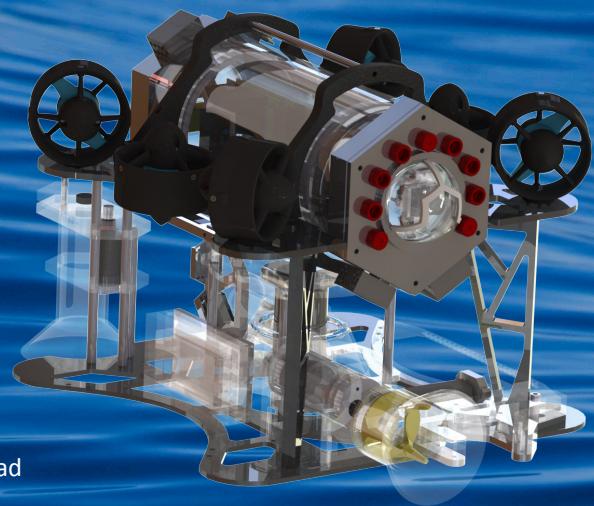
underwater solutions

LAZARUS

Jesuit High School
Carmichael, CA
MATE 2017

Distance Traveled - 670 km
Total Cost - \$8,515.13
Total Student Work Hours - 4,200

Carson Black '17 - Mechanical Engineer
Andrew Chang '17 - Electrical Engineer, Electronics Lead, CEO
Nick Ellis '17 - Mechanical Engineer, Mechanical Design Lead
Matthew Kiyama '17 - Software Engineer, Research and Development Lead
Sam Kreifels '17 - Mechanical Engineer, Manufacturing Lead
Cassidy Nguyen '17 - Software Engineer, Software Lead
Drake Charamuga '18 - Mechanical Engineer
Sam Paragary '18 - Marketing and Publications Lead
Noah Pettinato '18 - Software Engineer
Risheek Pingili '18 - Software Engineer
Gavin Remme '18 - Marketing and Publications, Safety Officer
Daniel Brennan '19 - Mechanical Engineer
Adam Graham '19 - Software Engineer
Hayden Kaufman* '19 - Electrical Engineer
Austin Law '19 - 3D Modeling/CAD Lead
James Monroe* '19 - Mechanical Engineer
James Whitcomb-Weston '19 - Mechanical Engineer
Alex Cherry* '20 - Mechanical Engineer
Michael Equi* '20 - Electrical Engineer
Aidan French* '20 - Software Engineer
Caelin Sutch* '20 - Marketing and Publications
Jay Isaacs - Head Coach
Steve Kiyama - Assistant Coach
**New Members (all other members are returning)*



CAD rendering of Lazarus

Special Features:

- Integrated IMU and pilot HUD
- Multifunctional gripper
- Depth hold
- Specialized Mission Assist ROV Tool (SMART) technology

Safety Features:

- Electronics housing water and humidity sensors with software alerts
- RGB LED status lights
- Co-pilot display with critical ROV telemetry
- Sheathed tether with strain relief
- Instant power down



Rovotics 2017



JESUIT ROBOTICS