## underwater solution



## **Jesuit High School** Carmichael, CA

Distance Traveled - 2,600 km Total Cost - In progress, estimated \$13,100 **Total Student Work Hours - 3,800** 

Matthew Kiyama '17 - CEO Collin Meissner '16 - Design Lead Sam Kreifels '17 - Manufacturing Lead Andrew Chang '17 - Electronics Lead Cassidy Nguyen '17 - Software Lead Killian Randle '16 - 3D Modeling/CAD Lead

Carson Black '17 - Marketing and Publications Lead

Gavin Remme '18 - Engineer, Safety Lead Ben Byers '16 - Software Engineer

Riley Unter '16 - Mechanical Engineer

Nicholas Ellis '17 - Mechanical Engineer, Machinist

Drake Charamuga '18 - Engineer

Sam Paragary '18 - Engineer Noah Pettinato\* '18 - Software Engineer

Risheek Pingili '18 - Software Engineer Daniel Brennan\* '19 - Electrical Engineer

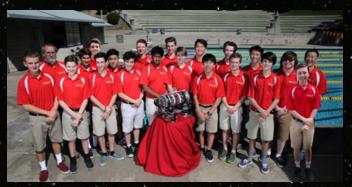
Adam Graham\* '19 - Engineer

Austin Law\* '19 - 3D Modeling/CAD Engineer

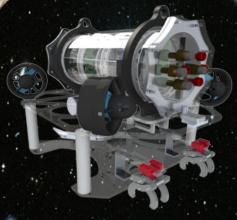
James Whitcomb-Weston\* '19 - Mechanical Engineer

Jay Isaacs - Head Coach Steve Kiyama - Assistant Coach

\*New Members (all other members are returning)



Royotics 2016



CAD rendering of Cuttlefish.

## **Special Features**

- Under-articulated Gripper
- Point/Tilt/Zoom "PTZ" cameras allow optimal operator field of view
- Simulated bioluminescence

## **Safety Features**

- Water and humidity sensors in electronics housing and software alerts detect and inform of leaks
- Tether is sheathed for protection and has a strain relief to protect connectors
- Immediate power down with a single key press

