

The Corporation of Offshore Reconnaissance and Polar Submersion (The C.O.R.P.S.)



Left to Right: Ryan Ramos, Omar Arredondo, Esmeralda Castillo, Omar Bravo, Briana Olivarez, Daniel Benavides Jr. & Noah Johnson

The Product

ROV Name

Admiral

Primary Material

PVC pipe

Total Development Cost

\$2,614.94

Overall Member Hours

The C.O.R.P.S. began to prepare for competition in February of 2016. Since then, each and every member of the company has logged in over 75 hours into the development of our product.

Safety Features

- Smoothed Edges
- 3-D Manufactured Motor Housings
- False Bottom in Control System
- Minimally Exposed Wire
- 20 amp fuse connected to each motor
- 10 amp fuse connected to power distribution board
- Mobile Control System

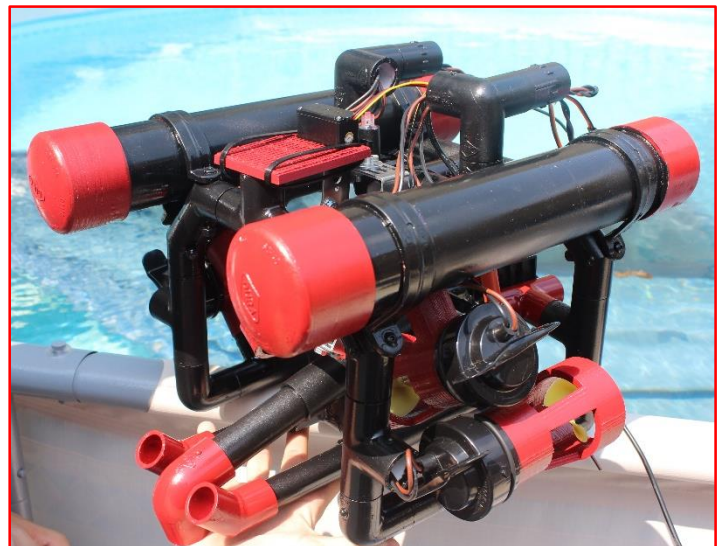
Special Features

- Custom frame design
- Hawkeye Digital Depth Sounder
- Pan & Tilt Waterproof camera
- Pelican 1560 Case Control System
- 19" Insignia LED Display
- Unique hydraulic system with panel
- Neutrally buoyant wire in tether

Company Profile

S.T.E.M. Early College High School
San Antonio, Texas
Distance from Competition- 363.71 km
Grade Range- 9th to 10th

- Esmeralda Castillo, 1st year
 - Chief Executive Officer
- Ryan Ramos, 2nd year
 - Chief Operations Officer & Head Engineer
- Daniel Benavides Jr., 1st year
 - Chief Financial Officer
- Omar Arredondo, 1st year
 - Software Engineer
- Noah Johnson, 1st year
 - Safety Officer
- Omar Bravo, 2nd year
 - Pilot & Public Relations Officer
- Briana Olivarez, 1st year
 - Government & Regulatory Affairs



The C.O.R.P.S. Admiral