



Pensacola Catholic High School, Pensacola FL USA

Crubotics Ranger, 7th Year Team

Distance to World Championship 1500 miles

- Kush Wells | 12 | Chief Executive Officer, Pilot
Lexi Foland | 12 | Chief Financial Officer, Marketing
Caroline Struck | 12 | Head of Media
Mac McKinley | 11 | CAD Modeler
Grant Robertson | 11 | CAD Modeler
Quentin Wright | 12 | Lead Programmer
Alex Che | 12 | Chief Operations Officer, Lead Programmer
Tyler Ruble | 12 | Electrician
Brandon Hoppe | 11 | Float Engineer, Safety Officer
Aloysius London | 10 | Assistant Designer
Obie Powell | 12 | Lead Builder
Luke Foster | 10 | Float Engineer
- **All members are returning from last year**



ROV Specifications: A.R.R.E. 2 (Automated Repair Reconnaissance Explorer)

Total Cost: \$2550

Measurements:

- Size: 650mm x 230mm x 250mm
- Mass: 7.65kg

Total Employee Hours: 735

Safety Features:

- Tether: Strain Relief; Waterproof Connections;
- Enclosure: Pressure Relief Valve; Leak Sensor
- Control Box: Power "Kill" Switch; Quick Disconnects;
- Propeller: Shrouds on Front and Back

Special Features:

- Strafing capability (450 Thrusters);
- Tilt Camera;
- Mechanical Gripper; Stationary hook
- Cat 5 Coms for Camera, Navigation, and Gripper Manipulation

