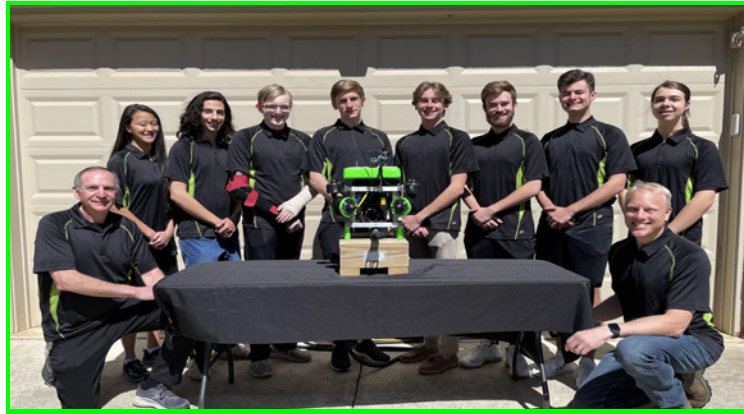




# SEAL Robotics Team Greensboro, NC

## Company Spec Sheet ROV - **SEALbot**

**2,480 miles to MATE World Championship in Long Beach, CA**



Team Member	Role	Year in MATE	Grade
Michael Scutari	C.E.O, Programmer, Tech Writer	Fourth	12
Jonathan Bacon	Project Manager, ROV Pilot	Fourth	12
Owen Voorhees	Lead Electrical Engineer, Programmer	Fourth	12
Ben Liebkemann	Lead Team Programmer	Fifth	12
Quinn Welch	CAD Designer, Fabricator, Mechanical Engineer	Fourth	12
Marissa Maynard	Mechanical Engineer	Third	12
Phillip Szypulski	Video Expert, Electrical Engineer	Fourth	10
Clay Austin	Mechanical Engineer and Tech Writer	Third	12
Ned Voorhees	Team Mentor	Fourth	
Kurt Ruppel	Team Mentor	Fourth	

**Total Cost for Building SEALbot ..... \$7899.65**  
**Total hours for Design, Build, and Testing of SEALbot ..... 2,468 hours**  
**SEALbot's Dimensions ..... H= (33.0cm) W= (40.6cm) L= (41.9cm) Weight = 10.2 kg**

**Safety and other Standout Features:**

- **Safety:** Shrouded thrusters and multiple fail safes built into drive software.
- **Dual Grippers (Front and Rear).** Eight thrusters utilized for impressive maneuverability.
- **Stability and precision software controls** navigates to a target depth, or maintain consistent depth.
- **Custom Graphical User Interface** showing all ROV systems.