



SEAL Robotics Team
 Greensboro, NC

Company Spec Sheet

ROV - *Mako*

2,802 miles to MATE International in Federal Way, WA



Team Member	Role	Year in MATE	Grade
Austin Ramey	CEO	Second	11
Oliver Voorhees	Chief Engineer and Java Programmer (Graphical Display)	Second	11
Ben Liebkeman	Java Programmer (Graphical Display) and Engineer	Second	8
Logan Smith	Chief Safety Officer	Second	10
Nathan Ruppel	Prop Expert, Design Engineer	Second	10
Owen Voorhees	Chief Arduino C Programmer (drive functions, depth)	First	8
Marissa Maynard	Design Engineer, Challenge Expert, Tech Writer	First	8
Harrison Ascencious	Marketing Expert, Design Engineer	First	8
Jay Jasso	Engineer	First	5
Jonathan Bacon	Design Engineer	First	8
Walt Liebkemann, Kurt Ruppel, Brock Longley, and Ned Voorhees	Team Mentors	Brock-Second, Others-First	

Total cost for building Mako \$3554.00
Total hours for building Mako 1,030 hours
Mako's Dimensions H= (35.56cm) W= (50.8cm) L= (50.8cm) Weight = 13.5 kg

Standout Features:

- All thrusters shrouded, and sharp corners have protectors for safety in handling.
- Critical electronics located on dry land for reliability.
- Depth control software can navigate to a target depth, or maintain a consistent depth.
- Custom Graphical Display of ROV systems.