



**Stingy,**  
Our 2024 Underwater  
Innovative Vehicle  
Design

**Alpena High School**  
Underwater Research Robotic  
500 East River Street  
Alpena, MI 49707

## Vehicle Specifications

- Vehicle Weight 4.9 Kg
- Frame is constructed of one inch Vex tubing with carbon-nylon fiber connections.
- Size: 48 cm x 53 cm
- 25-amp inline fuse
- Build Hours: 130 Hours
- Total Vehicle Value: \$4,200
- Distance Traveled to World Competition: 768 Miles

<u>Name</u>	<u>Grade</u>	<u>Company Title</u>	<u>Career Goal</u>
Sarah Rabbideau	11	Safety Officer	EMT
Myah Rondeau	11	Project Specialist	Sports Manager
Kylie Gagnon	11	Fabricator	Welding Engineering Technology
Lydia Thomson	11	CEO	Biomedical Engineering
Gus Wirgua	10	Pilot	Engineer
Lucas Thomson	10	CTO	Physical Therapist
Abbey Glover	9	CFO	Wildlife Rescuer
James Rawlings	9	Pilot	Bush Pilot
Elizabeth Rabbideau	9	Payload Specialist	Wildlife Photographer

## Safety Sensors

- Leak
- Surge Protection
- Depth
- Temperature
- Power Monitoring

## Special Features

- 15 M Tether
- Mechanical Gripper
- Machine Vision
- HD Drive Camera
- Six Thruster

No Lasers or Fluid Power

## Team Competitive History

The Underwater Research Robotic Company (UR2) was established in 2009 and achieved 3rd place at the Great Lake Regionals in 2010. The team has secured 1st place at the Great Lakes Regional competition eight times. UR2 has participated in the World Championships eight times, achieving a top-ten finish five times.

