



Alpena High School

Underwater Research Robotics
500 East River Street
Alpena, MI 49707

Lydia Thomson - CEO

Grade: 12th

Ray Johnson - CTO

Grade: 10th

Taylor Widajewski - CFO

Grade: 12th

Kylie Gagnon - FABRICATOR

Grade: 13th YEAR

Myah Rondeau - PROJECT MANAGER

Grade: 13th YEAR

Gunner Moe - SAFETY OFFICER

Grade: 12th

Lizzie Rabbideau - PAYLOAD/MEDIA

Grade: 11th

Matthew Kowalski - CO-PILOT

Grade: 10th

Gus Wirgau - PILOT

Grade: 12th

James Rawlings - CO-PILOT

Grade: 11th

Lilly Rospierski - MECH. ENGINEER

Grade: 11th

Dawson Smolinski - PROJECT SPECIALIST

Grade: 10th

Sebastian Cummins - MECH. ENGINEER

Grade: 09th

Our Team



Team Competitive History

The Underwater Research Robotic Company (UR2) was established in 2009 and achieved 3rd place at the Great Lakes Regional in 2010. Since then, the team has secured 1st place at the Great Lakes Regional competition 11 times. UR2 has competed in the World Championships 11 times, achieving a top-ten finish six times.

Safety Sensors

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

Special Features

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

DEFIANCE HD

UNDERWATER RESEARCH ROBOT COMPANY



Vehicle Specifications

- Vehicle Weight 9.7 Kg
- The frame is constructed from aluminum tubing and panels printed from PETG-CF
- Size: 35 cm x 40 cm x 40 cm
- 25-amp inline fuse
- Build Hours: 318 Hours
- Total Vehicle Value: \$3,787
- Distance Traveled to the World Competition: 6115 km

No Lasers or Fluid Power