AMNO & CO
ABOUT THE TEAM

Alex Miller (9th grade, Garfield High School1, 5th year of MATE competition): Software specialist, pilot
Clara Orndorff (11th grade, Ingraham High School1, 5th year of MATE competition): CEO, tether manager
Nicholas Orndorff, 9th grade, Ingraham High School1, 5th year of MATE competition): Machinist, pilot

Seattle, WA, USA — 2213.8 miles (3562.8 kilometers) to Alpena, MI

ROV SPECS

Cost: ~ $8,661 (includes travel costs as well as the approximate values of all donated/discounted parts and services)
Dimensions: 0.31 m tall by 0.762 m long by 0.508 m wide
Weight: 22.67 kg

Special features:
- RS485-based control system with depth hold
- CNC-machined clear Waterproof Electronics Container for onboard electronics
- Electronic actuator-driven manipulator with limit switches
- Microcontroller-based conductivity sensor
- Multi-purpose suction pump system for retrieval of agar and debris
- Durable Starboard frame with carbon fiber elements

Safety features:
- Anti-leak vacuum testing system
- 25 A fuses
- Leak detector
- Potted heatshrunk connections with silicone
- Main power on/off switch
- Strain relief
- Inboard motors

1 AMNO & CO is not affiliated with any school or organization