

AMNO & CO

“Novel Solutions for your Maritime Problems”

Seattle, Washington USA

Team Members:

Nicholas Orndorff: 11th grade, Ingraham High School, CEO and pilot

Alex Miller: 11th grade, Garfield High School, CTO and pilot

Clara Orndorff: Freshman, University of Washington, CPO and pilot

AMNO and CO has been competing with the same team members for seven years

Notable ROV Features:

- Custom single board ROV control system
- Efficient and powerful brushless thrusters
- Robust RS485 communications network
- Full six degrees of freedom in ROV control
- LED-based thruster simulator

Safety Features:

- Emergency power shutoff switch
- Fuse within 30cm of the power source
- Warning labels on moving parts
- Shrouded thrusters
- All electronics have reverse voltage and surge protection
- An electronic leak detection system
- Airlock depressurization system to test for pressure hull leaks
- Cable glands and strain relief on all wire and cable penetrators

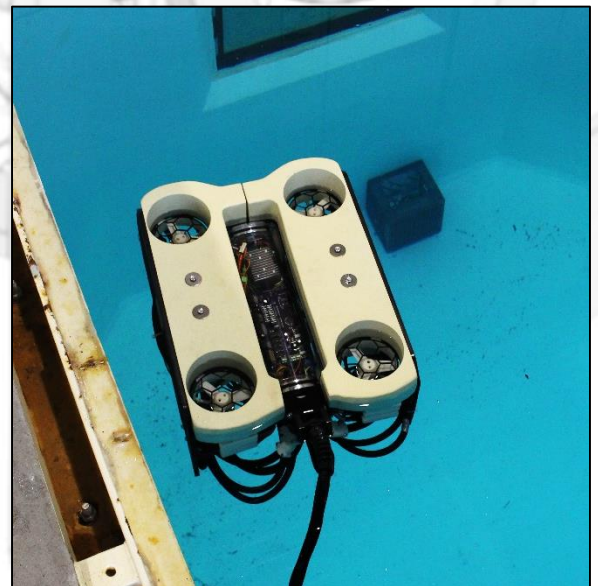
Cost: Fair market value of \$9560.82

Hours Spent Building the ROV: Each team member put in roughly 8 to 20 hours per week since July 2015. Multiple pool practices are held each week that range from one to five hours.

Distance travelled to the international competition in Houston, Texas is 2442 mi or 39336 km.



AMNO & CO ROV team from left to right: Nicholas Orndorff (Chief Executive Officer), Clara Orndorff (Chief Product Officer) and Alex Miller (Chief Technology Officer)



The 2016 AMNO & CO ROV