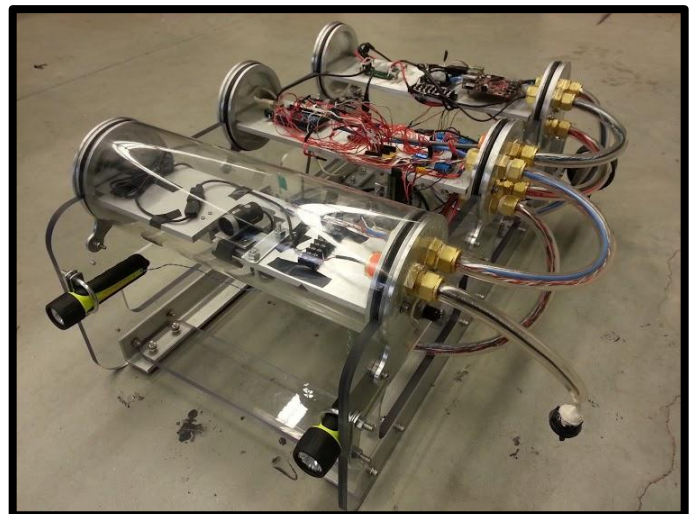


Company Name	Aquacats
School	University of New Hampshire
Home State	New Hampshire
Distance to Internationals	3,115 miles
History of MATE ROV Participation	2009: Regionals Only 2010: Regionals Only 2012: Internationals
Scott Champagne <i>Mechanical Engineer</i>	CEO Chassis Engineer
Spencer Yergeau <i>Mechanical Engineer</i>	CTO Propulsion Engineer
Dean Goodale <i>Mechanical Engineer</i>	Lead Propulsion Engineer
Stephen Griffin <i>Mechanical Engineer</i>	Lead Chassis Engineer Mission Mock Up Planner
Lane O'Connor <i>Mechanical Engineer</i>	Chassis Engineer Transmissometer Assembly
Chris Brown <i>Mechanical Engineer</i>	CFO Tether Design
Graham Conforti <i>Mechanical Engineer</i>	Propulsion Engineer Fuse Box Assembly
Derek Dupuis <i>Computer Science</i>	Controls Engineer Software Programming
Greg Warner <i>Computer Science</i>	Controls Engineer Software Programming
Boris Yakubenko <i>Computer Engineering</i>	Lead Controls Engineer Motor Driver Design
Peter Oliver <i>Computer Engineering</i>	Controls Engineer Electronics Engineer
Jon Crockett <i>Electrical Engineering</i>	Propulsion Engineer Transmissometer Design
Galan Farrar <i>Electrical Engineering</i>	Propulsion Engineer Fuse Box Design

All members are seniors at UNH



2013 UNH Underwater ROV

Total Cost	\$13,100	Weight	37.6 kg	Dimensions	660 x 381 x 914 mm
Major Materials Used	Aluminum Alloy 6061, Polycarbonate, and Acrylic				
Safety Features	Power converters with internal power regulation, relays, motor controllers with power regulation, shrouded propellers, electronics capsules, vehicle lifting handles, desiccant tubes in each electronics capsule and 6.37 mm aluminum plates for maximum heat transfer.				
Special Features	Modular frame, variable forward/reverse thruster positioning, use of an inertial measurement unit, and abundant room for addition of electronics and sensors.				