

UNH AquaCats  
University of New Hampshire  
Durham, New Hampshire USA

Distance required to travel: 1,630.24 miles

MATE Competition History: Returning

Company Photo:



Front Row (left to right): Robert Swan (Design Engineer), Matthew Falbe (Chassis Engineering Lead/CFO)

Back Row (left to right): Lucas Lopez (Electrical Engineer), Robert Young (Programmer), Sital Khatiwada (CEO/Controls Engineer/Pilot), John Wallace (VR Engineer/Programmer), Shawn Swist (Controls Engineer/Electronic Design Engineer), John McCormack (Tether Engineer/Design Engineer)

Not Pictured: Alex Sarasin (Electrical Engineer/Electronic Design Engineer)

Senior Members: Sital Khatiwada, Matt Falbe, John Wallace, John McCormack, Robert Swan, Robert Young, Lucas Lopez

Junior Members: Shawn Swist

Sophomore Members: Alex Sarasin

## ROV SPECS:

ROV Name: *Siren*

Total Cost: \$4070.00

Total student hours designated to build: 500 hours

Safety Features:

- Fuse on surface power supply to prevent a situation regarding excessive current
- Slight positive buoyancy in case of vehicle failure
- System designed to withstand depths of up to 150m

Special Features:

- Feedback control to maintain and correct depth and orientation
- Lightweight, modular unit with wheels attached to the bottom for ease of transportation
- Virtual reality user interface

Photo of the Vehicle:

