

DEEP HARBOUR RESEARCH SPEC SHEET 2015



DEEP HARBOUR RESEARCH

COMPANY SPECS

Company and school, club, or community organization name

- Deep Harbour Research – Nova Scotia Community College

Home state and/or country

- Dartmouth Nova Scotia, Canada

Distance required to travel to the international competition

- 1485 km

History of MATE ROV competition participation.

- Hawaii, 2010 Finished 12th place
- Alpena, 2014 Finished 10th Place

Range of grade/college levels represented by the members

First and Second Year Electronic Engineering Technology
First and Second Year Electronic Engineering Technician
First Year Mechanical Engineering Technology

ROV SPECS

ROV name

- Working Title –FPV-ROV 2.0

Total cost, including cost of donated items

- \$8518.21

Safety features

- Emergency Ballast System
- 40A Fuse
- Tether Strain Relief
- Laser Safety Protection Covers
- Object Detection Sensors
- Internal Housing Environmental Monitoring
- Motor Control Fault Detection

Special features

- Integrated Oculus Rift for First Person Piloting
- Sensor Suite with Heads Up Display for pilot and co-pilot



MEMBERS

(back row left to right)

Robbie Aggas – Mechanical Systems Member

Blake Bennett – Safety Officer

Alan Polvi – Electrical Systems Lead Engineer

Malcolm Surette – Mechanical Systems Member

Erica Barber – Electronic Systems Member

(front row left to right)

Zach Viva – Electrical Systems Member

Adam Whyte – Mechanical

Systems Lead Engineer

CFO – Katherine Hudak

CEO – Jon MacDonald

