



R.A.F.T. Robotics Company

Spec Sheet

Alcona High School

Harrisville, MI, United States



Team Information:

Distance Travel to International Competition:

27 miles

R.A.F.T. Robotics MATE Regional Appearances:

4 years running

R.A.F.T. Robotics MATE International Appearances:

0 years running

R.A.F.T. Robotics Grade Levels:

9th to 11th Grade Students

ROV Information:

ROV Weight: 5.44 kilograms

ROV Dimensions: 317.5 mm x 330.2 mm x 203.2 mm

MATE ROV Costs: \$1258.00

Build Time Hours: 158 hours

Safety Features:

This robot is equipped with leak detection sensors, Strain reliefs, in-line fuse, motor covers, and filed down edges.

Special Features:

The special features on this robot are our water-tight enclosure that houses our electronics, a 3D printed hatch top, and a 3D printed electronics tray.



Student Names from left to right:

Emily Atkinson (11th Grade)

Co-CEO, Lead Pilot, Software Engineer, and Safety Officer

Juliet Mann (9th Grade)

Software Engineer, Payload Pilot

Emma Schroeder (11th Grade)

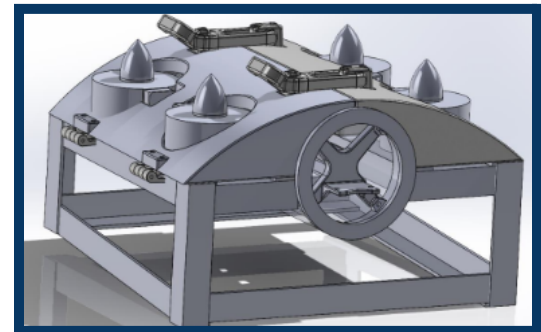
Co-CEO, Float Engineer, Data Scientist

Myra Armstrong (9th Grade)

Mechanical Engineer and Tether Handler

Brandon Stanley (10th Grade)

Payload Engineer and Data Scientist



“Whaley” the ROV