

Sea Sweepers

Highway 68 ROV Club
Salinas, California, USA

Distance to International Competition - 2,999.2 km

Est. 2010

Nine 11th and 12th grade students

J. O'Dell*- CEO / Chief Pilot
J. Yeager*- COO / Head Mission Manager
T. Allen*- Head Engineer / Backup Pilot
M. Georgariou*- Assistant Programmer / Pilot's Assistant
H. Hitchcock- CFO & Documenter/ Tether Manager
B. Ishii- Lead Programmer
C. Oleson- 3D Modeler & Electronics team member
M. Sprague- Project Manager & Engineer
J. Hyland- Assistant Vehicle Designer & Engineer
(*Team member has competed in MATE competition before.)

→Team Position

→Mission Position

Mentor: Kurt Yeager and Mike Allen

Name of vehicle: BRUCE

Approximate Manufacturing Cost - \$5000 (\$700 donated)

Weight- 12.5 kilograms

Primary Material- High density polyethylene

Dimensions- 43 cm x 35 cm x 20 cm

Hours to build : 2200 hours

- Safety features
 - 25 amp fuse in line with power supply
 - Shrouds and bright markings around all motors
 - Main Power Switch to shut down all systems
 - Independent Kill Switches for Motors and Servo
 - Reverse Polarity Protection
- Special features
 - Custom 3D printed motor mounts
 - Custom Graphical User Interface (GUI)
 - Custom attachments
 - Custom-made control box
 - Fully-detachable tether

