

COMPANY SPECS

Company Name: The Lincoln Group

Organization/School: Gahanna Lincoln High School

Home State: Ohio

Distance Traveled: 2426 miles

MATE Competition Experience:

- 4 International Competitions in Ranger (2008, 2009, 2010, 2011)
- Great Lakes Regional Competition in Ranger (2011, 2012)
- Mix of new and returning members



Members (L to R): Ryan Richards (Engineer/Builder/Photographer), Chad Benninger (Communications, Finances/Operations), Austin Buck (Engineer/Tether Management/ Communications), Nathan Alden (Programmer/Electronics/Pilot).

Age/Grade Range: Grades 11,12, and college freshman

ROV SPECS

Name: Pi Squared

Total Cost: \$782.25 (\$386.62 for ROV, \$395.63 for controller and interface)

Primary Materials: PVC, copper tubing, and Raspberry Pi board/controller

Dimensions: 75 cm x 52cm x 44 cm

Total Weight: 13.6 kg

Safety Features: Fused, re-designed thruster shrouds, self-designed PVC water-proofed electrical connectors, tested to 3 atmospheres of pressure, temperature monitor for on-board heat monitoring

Special Features: True modularity with easily removable/interchangeable tool packages and motors, Raspberry Pi control, water-proofed electrical connectors tested to 3 atm., custom Play-Station controller, 350 degree rotatable camera

