TEAM INFORMATION:

PROVE:
- David Sampsell - Chief Executive Officer, Grade 10
- Matthew Buonanno - Programmer, Grade 11
- Stephen Gahman - Electronics Engineer, Grade 10
- Micah Smith - Design Engineer, Grade 11
- Natalie Sampsell - Graphic Designer, Editor, Grade 8
- Hannah Smith - Graphic Designer, Photographer, Grade 9
- Thomas Buonanno - Lead Researcher, Marketing, Grade 8
- Tim Gahman - Tool Researcher, Safety Officer, Grade 8

ROV Name: Poseidon
Name of School: Excelsior Homeschool Cooperative
Construction Address: 2455 Chardonnay Drive, Macungie, PA
Name of Team: pROVE - Pennsylvania ROV Engineers
Coaches’ Names: Robin Sampsell, Heidi Smith
Mentors’ Names: Dave Sampsell, Leonard Smith
Company History: Start-up company, first year of operation
Members Attending Competition: All
Distance to International Competition, Orlando: 1,770 km

ROV SPECIFICATIONS:

Vehicle Dimensions: 0.85 m x 0.50 m x 0.45 m
Vehicle Weight: 18.6 kg
Material: Primarily PVC, fiberglass, and Plexiglas
Safety Features: A main power switch will shut off the ROV instantaneously in case of an emergency. A 25 amp fuse is also installed in case of a short circuit. Kort nozzles protect people from the propellers.
Special Features: A vectored thruster arrangement gives the ROV superior maneuverability in all axes of movement, and fully proportional control via an Xbox 360 controller and a microcontroller provide seamless pilot integration.

POSEIDON