Corporate Information:
Established 2008
Palos Verdes High School
Palos Verdes Estates, California
Distance to Alpena, Michigan: 3229 kilometers

PVIT ROV Ranger Team:

History of MATE ROV competition participation:
2014 1st place Southern California Fly off Ranger Class
2013 2nd place Southern California Fly off Ranger Class
2012 2nd place International MATE Competition Ranger Class
2012 1st place Southern California Fly off Ranger Class
2011 Harry Bohm and Jill Zande Sharkpedo Award Ranger Class
2011 21st place International MATE Competition Ranger Class
2011 1st place Southern California Fly off Ranger Class
2010 2nd place Southern California Fly off Ranger Class

2014 Ranger Team:
Dennis Smalling - CEO, Junior, 3rd year
Chandler Jones - COO, Junior, 2nd year
Kraig Kreiner - CFO, Pilot, Sophomore, 2nd year
Mark Caropino - CTO, Junior, 3rd year
John Robertshaw - Chief Electrical Engineer, Sophomore, 2nd year
Nick Vlaco - Chief Mechanical Engineer, Junior, 2nd year
Joshua Magid - Electrical Engineer, Freshman, 1st year
Nora Potenti - Electrical Engineer, Senior, 3rd year
Lucas Allen - Mechanical Engineer, Sophomore, 2nd year
Shaun Sidhu - Mechanical Engineer, Sophomore, 2nd year
Aaron Trell - Mechanical Engineer, Sophomore, 2nd year
Shane Sharp - Mechanical Engineer, Sophomore, 2nd year
Grant Vanderdonck - Mechanical Engineer, Sophomore, 1st year

Nautilus Specifications:
Total Cost: $1,502 spent in 2014; Seabotix motors purchased in 2012 for $2,700
Primary Materials: Acrylic, Aluminum, and Polypropylene
Dimensions: 60cm length X 56cm width X 35cm height
Total Mass: 15.06 kg
Safety Features: 25 amp fuses, Kort nozzle propeller guards, Loctite used on screws and nuts
Special Features: PlayStation 2 controller, Arduino microprocessors, polypropylene frame, high capacity Seabotix thrusters, Pololu motor controller, tight turning capability, Gopro Hero 3

The 2014 Nautilus

Photo by Kraig Kreiner