

## Triton Technologies Specifications Sheet 2012:

Palos Verdes Institute of Technology

2012 Ranger Team: Palos Verdes High School, California

Distance to Orlando, Florida: 4067 km

### History of MATE ROV competition participation:

2010 2<sup>nd</sup> place Southern California Fly Off Ranger Class

2011 1<sup>st</sup> place Southern California Fly Off Ranger Class

2011 21<sup>st</sup> place International MATE Competition Ranger Class

2011 Harry Bohm and Jill Zande Sharkpedo Award Ranger Class

2012 1<sup>st</sup> place Southern California Fly Off Ranger Class

### Team Members:

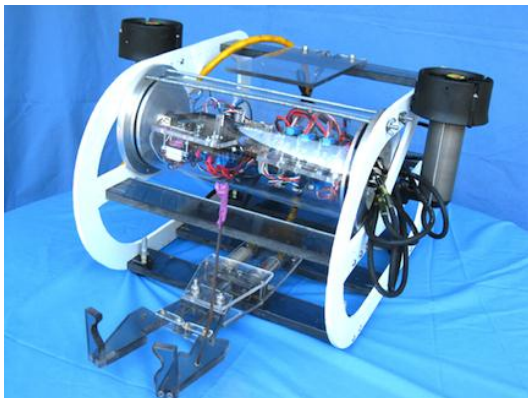


Triton Technologies Team 2012

Photo by Ashley Overbeek

(Back row, left to right) Michael Konrad - class of (c/o) 2013, 2<sup>nd</sup> year CFO & pilot;

Dennis Smalling-c/o 2015, 1<sup>st</sup> year Assistant Parts Fabricator; Scott MacDonald-c/o 2013, 2<sup>nd</sup> year Lead Parts Fabricator; Anthony Bacalja-c/o 2013, 3<sup>rd</sup> year Lead Payload Designer; Mark Caropino-c/o 2015, 1<sup>st</sup> year Assistant Payload Engineer. (Front row, left to right) Keith Kreiner-c/o 2013, 3<sup>rd</sup> year CEO and Pilot; Ryland Dreibelbis-c/o 2013, 1<sup>st</sup> year Software Engineer; Stevie Lillington-c/o 2013, 1<sup>st</sup> year Navigational Engineer; JJ Kuwata-c/o 2013, 3<sup>rd</sup> year COO & Chief Engineer.



Typhoon, photo credit: Liz Bacalja

### **Typhoon Specifications:**

*Total Cost:* \$3800 = \$2800 purchased (fundraised) + \$1000 donated parts

*Primary Materials:* Polypropylene, Lexan, acrylic, and aluminum

*Dimensions:* 46 cm length X 54 cm width X 35 cm height

*Total weight in air:* 8 kg

*Safety features:* 25 amp fuse, kort nozzle propeller guards, Kevlar jacketed tether, interwoven wire mesh "Chinese finger trap," waterproofing

*Special features:* PlayStation 2 controller, Arduino microprocessors, polypropylene frame, high capacity

SeaBotix thrusters, servo controlled