

Pacific Hell Divers Engineering

Linn-Benton Community College

Albany, OR, U.S.A. - Distance to Competition: 390 km



Team: Pictured; Kyle Neumann (CEO), Daniel Takamori, Griffin Alberti (COO), Samuel Stephenson, Amos Parmenter, Samuel Parmenter, Brad Parmenter, Jonas Cervantes (CFO), Nick Ruedig, Greg Mulder (Mentor). Not pictured; Patrick Bradford, Andrew Hercher, Marcus Lopez, Patrick Bradford, Stephen Gibbel, Devon Goode, Travis Lynn, Jacob Minten, Kyler Nelson, Emily Smucker, Li Zhang, Karen St. Martin.

History: Linn-Benton Community College has fielded an ROV in the MATE Competition since 2008. In the 2011 event, Linn-Benton placed third overall in the Explorer class and received the coveted *Sharkpedo* award. In addition, our former team member, and current mentor, Michael Tilse, was honored with the MVP award that year. Last year we placed 13th overall in the Explorer class.

The Narwhal

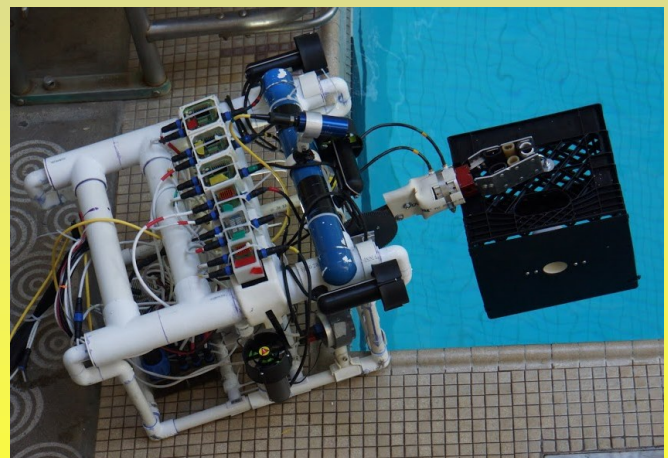
Budget: \$3545

Primary Materials: Polyvinyl Chloride (PVC), Aluminium

Dimensions: 71.1cm x 68.6cm x 43.2cm

Weight: 28.1kg in air, slightly positively buoyant in water.

Safety Features: Motor blades are contained in kort nozzle shields, onboard and on-land fuses, lightweight PVC frame for easy and safe deployment.



Special Features: Camera housings are built "in house" and have been tested to over 150 feet. Strafing movement function allowing the ROV to move in a sideways direction without turning. Pneumatic claw with an actuating arm installed to provide 175° vertical rotation.