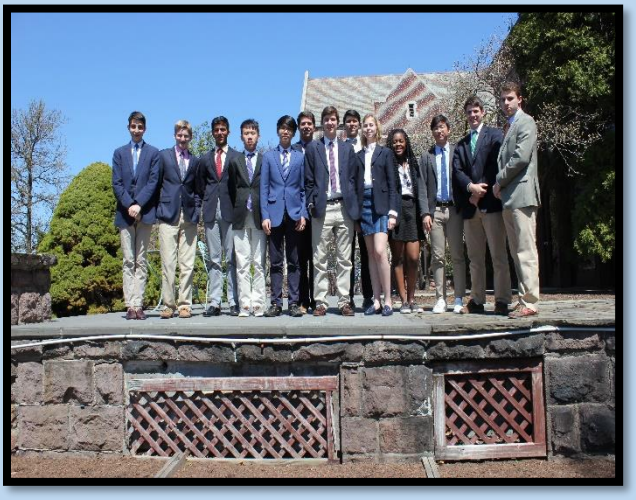
Sea Ram, LLC Presents PITA

The Hill School
717 E High Street,
Pottstown, PA, USA 19464

Distance to NASA Johnson Space Center's Neutral Buoyancy: 1534 miles
History of MATE Participation: This is our second year entering MATE and, during our first year, we placed third place in Pennsylvania regionals and competed at the internationals.



Sea Ram Robotics (From left to right)

Damian Baraty (Team Captain / Instructor)
Tim Jump (Faculty Adviser)
Robert Steinman (Faculty Adviser)
Harrison Wolf (Software Intern / 9th)
Harrison Nicholls (CFO / 9th)
Manshu Sharma (CEO / 11th)
Alan He (Design Engineer / 10th) b
David Park (Robotic Arm Engineer / 10th)
Jake Trombley (Relations Coordinator / 12th)
Alex Rakos (Graphics Designer / 11th)
Aaron Lethers (Graphics Designer / 12th)
Ceylin Sener (Communications Director / 9th)
Breana McDonald (Project Manager / 12th)
Kevin Kim (CDO / 12th)
Erik Patrinostro (Electrical Engineer / 11th)
Dylan Spector (CTO / 12th)
Andy Donato (System Specialist / 11th)

ROV Tech Specs

Name: PITA
Price:
Hours of Contribution (hrs): 384
Harrison W., and Harrison W. – 60
Alan, David, Jake, Alex, Aaron, Breana, and Erik – 42
Ceylin, and Kevin – 120
Manshu, Dylan, and Andy – 162

Safety Features

- **Rigorous Water Proof System –** Every on board electronic device or exposed junction goes to the pressure tube to ensure safe handling and electron transfer.
- **Quick Connect** – Easy replacement of motors without any need of interior exposure.
- **T-100 Thrusters by Blue Robotics™ –** Industry standardized and ©MATE approved that have sealed electronics and protective shroud to prevent electrical shocks.

Special Features

- **Robotic Arm** – Double hinged and two finger grips that allow easier underwater tasks.
- **Easy-to-use Joystick** – Logitech™ Extreme 3D Pro Joystick provides an intuitive control interface. The joystick applies to our robot's unique five degrees of freedom.
- **Wide Angle Camera System** – Simultaneous displays of the robot's surroundings.
- **Laser-cut Chassis –** Delrin® engineered chassis for lightweight and superior stability.
- **Watertight Enclosure & Dome End** – Safe container with holes for electronics and wires.
- **Subsea Buoyancy Foam** – Machined and coated to provide the perfect float for the robot.
- **Efficient Electronics –** Easy to configure and user friendly electronics system.