

# Cape Henlopen High School

Lewes, Delaware

Travel Distance: Approximately 925mi



Cape Henlopen High School has been participating in the international Marine Advanced Technology Education (MATE) competition since 2006. The 2012 team consists of returning and new members. Using the knowledge gained from previous competitions, the team continued to build off the experiences of past members with additional research. The members of Cape's Robotics program share a fascination and interest in mechanics.

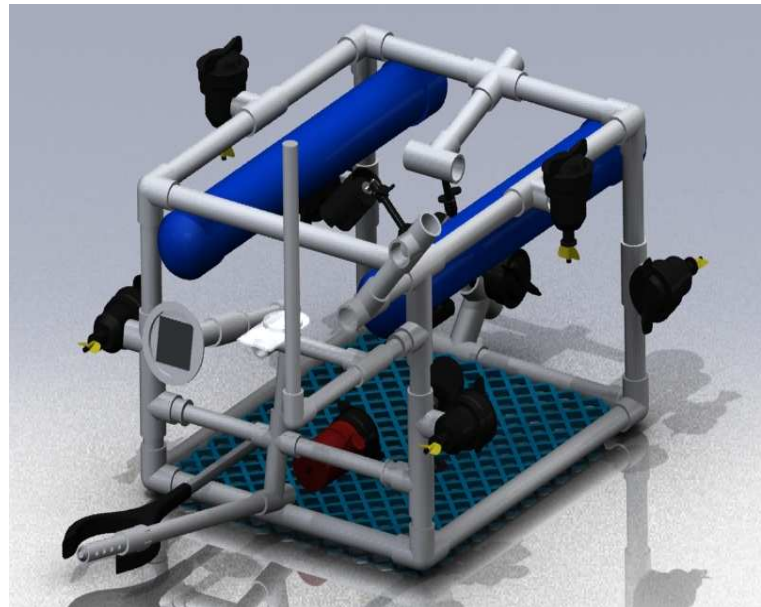
The *Annabelle Lee* is the final product and entry into the MATE competition. This ROV's design is compact and capable of accomplishing a number of tasks. The multiple parts of the ROV were put together to help perform and complete the mission tasks provided by the MATE center. Cape Robotics Co. looks forward to the opportunity to present the *Annabelle Lee* in Florida.



Left to Right, Back to Front:

Galen Selph-Chief Engineer; Co-Pilot, Chris Faircloth-Tether Operator, Sarah Meding-Safety Officer, Nicole Bishoff-Safety Officer, Bobby Wyatt-Payload Specialist, Kevin Yang-CFO, Mitchell Taylor-CAD Specialist; Pilot, Brooks Emery-Computer Systems Analyst, Maggie McGirk-Marketing Specialist, Esther Kung-Marketing Specialist

Matt Spicer-CEO; Captain, Trevor Aldred-Visual Specialist, Nick Prestipino-Propulsion Specialist, Tom Ashcraft-Propulsion Specialist, Jacob Kee-Propulsion Specialist



## The Annabelle Lee

**Total Cost:** \$2937.26

**Dimensions:** 50cm x 43.5cm x 35cm

**Total Weight:** 3.25 kg

**Primary Material:** Polyvinyl Chloride (PVC)

**Safety Features:** Safety labels around moving parts, caged propellers, fuse controls, organized wire system, electronics safety protocol

**Special Features:** Modified commercial programmed circuit board, forward thrusters for backwards movement, specially designed "tri-tooling" part