

## Company Spec Sheet: Project Kraken (Garrett College)

Team info: The Project Kraken team is from Garrett Community College in Western Maryland.

The International Competition is 605 miles away from Garrett College.

This is our 2nd year as a MATE team (we took a year-off). This year we have a total of six members, three of which are returning from two years ago, and three new members.



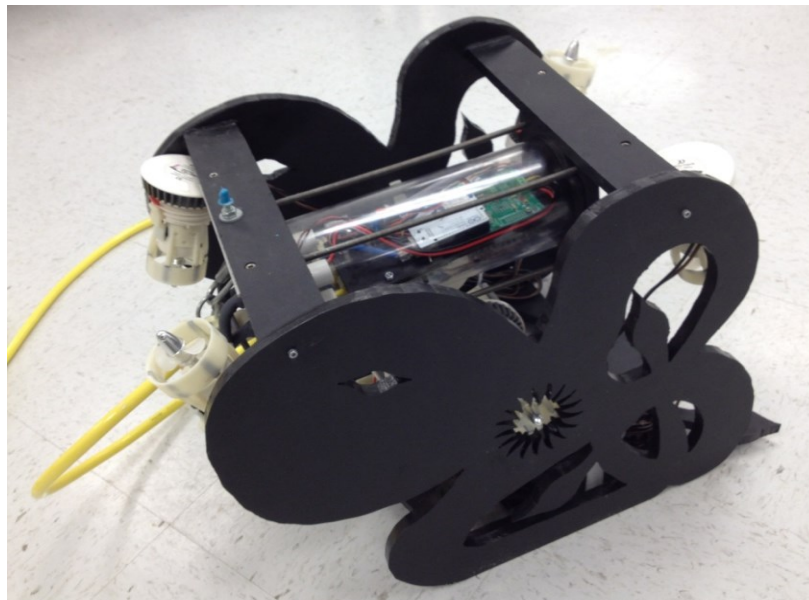
(Left to right) Kendrick Bender: Software/ Pilot. Kevin Heantfling: CAD. Aaron Lantz: Mechanical. Levi Lantz: CEO. Shawnre Leon: Electrical. Derrick Maust: Pilot / Public Relations. Phil Malone: Mentor

We have three freshmen on our team, and three sophomores.

Five out of the six of us were on FIRST robotics teams in high school.

Our ROV "Squidward" has a UHDP frame design to mimic a giant squid, or "Kraken". Total cost = \$1,350

Special features: Squid themed frame design, Custom 48V motor controller, Compass, pitch and roll sensor, Ethernet communications over a single neutrally buoyant tether. 3D printed motor & camera housings.



Safety features: 25 Amp Circuit Breaker with Reverse Polarity Protection (bridge rectifier), Thruster enable switch, Leak detect circuit, Auto thruster-shutdown on loss of telemetry, and full propeller shields.