Aquabot Technicians

“Octobot”

Aquabot Technicians:
Aquabot Technicians is a returning company title with a fresh and rejuvenated team to take the records to the next level. Aquabot Technicians is led by one assertive and very qualified 3rd year veteran, three bright and wise 2nd year returners, and twelve excellent comprehending 1st year members. Aquabot Technicians grade levels range from tenth to twelfth grade. Our company is based in Corpus Christi, Texas. We travel approximately 215 miles to compete at the Neutral Buoyancy Laboratory in the “From the Gulf of Mexico to Jupiter’s Moon Europa” ROV contest.

Dimensions: 29.845cm x 58.42cm x 36.195cm

ROV Payload Weight: 4.2 kg

Total Cost: $948.15

Total Man Hours to Design & Build: 200 hours per member (estimated total combined man-hours 3000)

Safety Features:
- Thruster motor shroud protects aquatic life from the spinning propeller blades.
- 25 Amp fuse for electrical protection.
- 100% waterproof connections to prevent electrical current from being discharged into the water.

Special Features:
- Joy stick controls that will allow for variable movement of the motors.
- Small tether that will allow easy mobility and less drag.
- High resolution color camera for viewing underwater.