Slime Shark Team

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Objective

The ROV team intends to design, create and implement an underwater vehicle that will be able to clean and inspect small boat hulls.

The ROV will be designed to be compact, light and easy to carry. We will design it such that it is easy to control and maneuver underwater, with an operating depth of up to 100 ft. The ROV will have a removable head so that different brush attachments can be used for different applications. Additional attachments could include a manipulator, brushes at various orientations, or other devices for specific functions.

Timeline

The timeline for this project begins in January 2008, and a working prototype should be available no later than the end of July 2008. This ROV will be designed to be marketable as a small boat hull cleaner for routine maintenance (cleaning off scum) and will be rugged enough to be used for other unforeseen operations (like viewing a shipwreck).

Features

- Frame is Al T6- 6061
- 2”X1” Channel
- Pressure Tubing—6” diameter tubing with flange on each side
- Clear dome on side of pressure housing for camera view.
- Joy Stick Control
- LCD Video Display
- 100 ft Tether
- Head cleaning unit attached using pins
- VRAM Suction to Boat Hulls

Further questions?
Please contact us

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