Purdue University IEEE ROV Team
West Lafayette, Indiana, USA

Distance Traveled: 1424 KM
Year Competing: 4th Year
2011 Finish: 2nd Place
Range of Grade Levels: Sophomore to Senior

ROV PotataS

Total Cost of ROV: $20,410.51 USD
Total Weight in Air: 17.2 kg
Overall Dimensions: 68 cm x 61 cm x 27.6 cm (without periscope)
Height with Periscope: 47 cm
Primary Materials: aluminum, stainless steel, polyoxymethylene (delrin), high-density polyethylene, polycarbonate

Special Features: immense power to weight ratio, dual-plane aluminum frame, one-dive to finish entire mission, single fixed manipulator for simplicity, entirely custom onboard electronics system and software

Key Safety Features: shrouds on all propellers, plastic propellers, all electrical wiring sealed with liquid electrical tape and heat shrink, multiple fuses throughout electrical system, emergency quick release pneumatic valve

Purdue Offshore Tanker Assessment and Tactical Operations Submersible