

Team Specification Sheet

School/Team Name: Linn-Benton Community College Remotely Operated Vehicle Team

Home State: Oregon

Distance Travelled to the International Competition: 4175 km

ROV Competition Status: Returning Competitors

Range of Grade Levels Represented by the Team Members: 1st-3rd year college students in: Physics, Computer Science, Mechanical Engineering, Civil Engineering, Electrical Engineering, Chemical Engineering, and Machine Tool Technology.



Team Photo (in order from front-left to back-right): Nicholas Cantrell-Pneumatics/Fabrication, Ben Dean-Shop Manager/Frame, Daniel Roberts-Electrical Systems, Mark Overholser-Imagineer, Greg Mulder-Team Advisor, Mike Ortiz-Pressure Housing, Ivan Merlin-UDDER/Tether, Justin McLeod-Propulsion/Electronics, Mike Hussey-VAMPIRE/Tech.Report, Keith Smee-PR, Michael Tilse-Machinist/PINNOCCCHIO, Raven Dorr-Solidworks Designer, Jesse Lowther-Bouyancy/Tech.Report, Louann Van Beek-GUI/Tech.Report/PR, Matt Seidlitz-PROEARS, Savannah Van Beek-UDDER/Fundraising, Julia Morrison-PINNOCCCHIO/ Tech.Report, Justin Hussey-VAMPIRE/Tech.Report Coordinator.

ROV Name: The Nautical Observer of Volcanic Activity, NOVA

Total Cost of Team: \$1679

Approximate Cost of Donated Item: \$16,563

Total Cost If Constructed from New Identical Parts: \$18,242

Primary Materials: PVC Piping, Aluminum, Nylon Polymer, Ultra High Molecular Weight Polyethylene, Stainless Steel, Polycarbonate Plastic

Dimensions: 50cm x 50cm x 68cm

Total Approx. Mass: 26 kg

Safety Features: Handles for easy transportation, thrusters with built in guards, legs to prevent damage to pool, pressure housing to protect electronics from water and help prevent shock hazards, additional electrical fuses, power converter cover, and water proof connections.

Special Features: Lightweight and modular design.

