



LabraShark



Shark Tech - Labrador Straits Academy
L'Anse au Loup, NL - Distance to World Championship: 3403Km

Specs	Special Features	Safety Features
Height: 30 cm	Custom 3d printed components	Strain reliefs on both ends of the tether
Width: 41 cm	15 m buoyant tether	25A fuse within 30 cm of the main power supply
Length: 36 cm	User-friendly control system	Detailed Safety Procedures
Weight: 8 kg	Advanced pneumatic System	Shrouded thrusters to meet IP20 Standards
Total Cost: \$3500 CAD	Repurposed fishing cameras	Caution labels on all dangerous parts
Build Time: 1500 hrs	Simplistic hydrodynamic design	Rounded edges

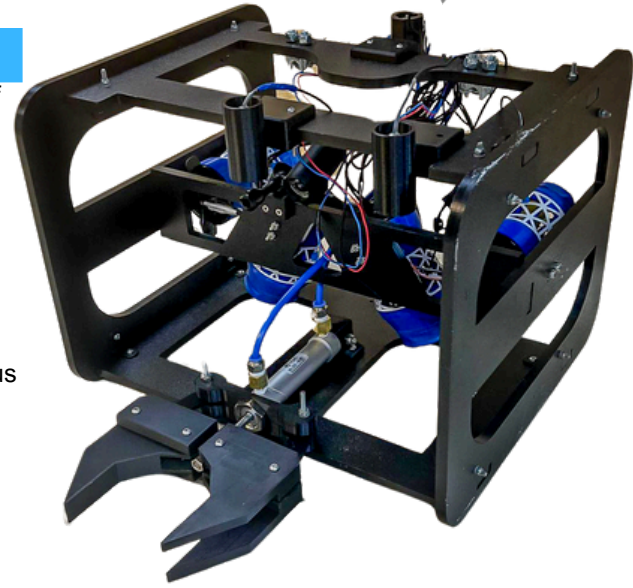


Figure 1: LabraShark ROV Photo by Finlay

Company Information

Name	Role	Grade	Career Goals
Marcus Flynn	CEO	10	Marine Biologist
Yashveen Gunput	CFO	9	Mechanical Engineer
James Penney	Pilot	10	Captain/Skipper
Luke Hudson	Co-pilot	11	Civil Engineer
Finlay Jones	Float Technician	11	Mechanical Engineer
Logan Ryland	Deck Manager	12	Captain/Skipper
Christian Roque	Lead Prop Designer	11	Civil Engineer
Owen Hudson	Prop Designer	11	Job Site Safety Officer
Lucas Buckle	Electrician	12	Computer Technician
Olivia Normore	Safety Officer	11	Job Site Safety Officer
Julian Flynn	Technical Writer	11	Physician
Brandon O'Dell	Technical Writer	12	Physiotherapist

Additional Company Information

- This is our second year competing in the MATE ROV Competition
- Placed 12th at the 2023 MATE ROV World Championship
- Our students' grades range from grades 9-12.

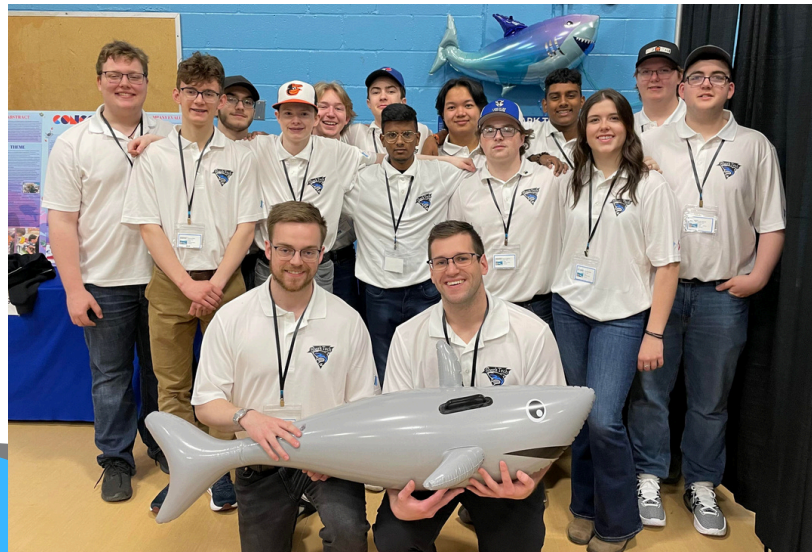


Figure 2: Shark Tech (Backrow L-R) Finlay, Marcus, Julian, Brandon, Logan, Luke, Priyanshu, Christian, Yashveen, Olivia, James, Lucas. (Front row L-R) Mr. Allen and Mr. Regular