

Company Spec Sheet-2016

O'Donel High School

Design, Develop, Demonstrate, Deploy

Mount Pearl, Newfoundland and Labrador, Canada 4159 Kilometers to International Competition

OD-4D STAFF

Staff Member	Responsibility / Role	New/ Return	Grade
Michael Howse	President and CEO, Safety Officer	R	12
Kaitlin Genge	CFO, Marketing	R	12
Emily Wiseman	Marketing, Tool Development	R	12
Joel Hatcher	Manager, Public Relations	R	11
Robin Murphy	ROV Operations- Pilot	R	11
Patrick Breen	Tool Development, Public Relations	R	11
Zachary Norman	Fabrication Technician, Testing	R	11
Clarke Payne	Tool Development	R	11
Matthew Butt	Manager, Tool Development	R	11
Josh Edwards	Electronics, Tool development	Ν	11
Melissa Mosher	Fabrication Technician	Ν	11
Lawrence O'Keefe	Software Designer	Ν	10
Keeley Flynn	Research & Development	N	10
Aby Pike	CAD Technician	N	10
Harley Alway	Software Designer	Ν	10

BOARD of DIRECTORS: James Hickman, Joseph Santos



Front Row: (L-R)-Michael Howse Back Row :(L-R)-Aby Pike, Kaitlyn Genge, Matthew Butt, Josh O'Keefe, Patrick Breen, Clarke Payne, Robin Murphy, Joel Hatcher, Josh Edwards Absent from Photo: Emily Wiseman, Zachary Norman, Melissa Mosher, Keeley Flynn, Harley Alway



ROV SPECS:

- ROV name: ICE : Innovative Competitive Entry
- <u>Total cost of New Materials for</u> <u>2016:</u> \$1,505 USD
- Value of Recycled Materials on ROV: \$3,148 USD
- <u>Total Student hours to design and</u> <u>build: 800</u>
 - Safety features: commercial electrical connectors, rounded frame, no sharp projections, shrouded thrusters, hi-grade electrical and electronics components, 25A circuit breaker at power source, LP pneumatic actuation.
 - <u>Special features</u>: all tools are multifunction, non-corroding, unique and proprietary designed and fabricated in-house; patent pending™ on three tools; CNC routered floating frame (HDPE) and tool skid (which can be separated from thruster unit); high maneuverability achieved by 30° thruster vectoring, multiple POV digital video cameras.

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