



O'Donel High School

Design. Develop. Demonstrate. Deploy

Company: OD-4D

- Mount Pearl, Newfoundland and Labrador, Canada
- 2691.38 km from MATE International Competition in Kingsport, Tennessee

Product: ICE

- 40 cm x 30 cm x 50 cm
- 10.9 kg
- Cost of new materials: \$2110 CAD, \$1570.25 USD
- Value of recycled materials: \$3577 CAD, \$2661.98 USD
- Total student hours to design and build: 780
- Safety features: commercial electrical connectors, rounded frame, no sharp projections, shrouded thrusters, hi-grade electrical and electronics components, 25A circuit breaker at power source, thruster cowlings.
- Special features: All tools are multi-function, non-corroding, unique and proprietary (designed and fabricated in-house), mounted on our CNC routed floating frame (expanded PVC foam) and tool skid (which can be separated from thruster unit); high maneuverability achieved by 30° thruster vectoring, multiple POV digital video cameras.



Staff Member	Position	Grade	New/Returning
Michael Chislett	President & CEO, Deck Manager	12	Returning
Isaac O'Rielly	CFO, Pilot	12	Returning
Erin Parsons	Safety Officer, Science Director	12	New
Christine Parsons	Provisions Officer & Secondary Tether Operator	12	New
Katie Cousens	CCO, Design Director	12	Returning
Nicholas Philpott	COO, Co-Pilot	11	Returning
Lars Heydweiller	Fabrication Director, Tether Manager	10	New
Russell Corbett	Operational Technician	10	New



Left to right:

Erin Parsons, Christine Parsons, Lars Heydweiller, Katie Cousens, Michael Chislett, Isaac O'Rielly, Nicholas Philpott

Missing from photo:

Russell Corbett

