**INNOVOCEAN**

Innovation in Marine Technology

Carrollton High School
Carrollton, Georgia

1935.91 miles from St. John’s, Newfoundland and Labrador, Canada
8 Years at Gray’s Reef Regionals, 8 Years at Internationals

**Vehicle Name:** Crush  
**Total Cost:** $7,908.54  
**Material:** Aluminum and Schlüter Board  
**Dimensions:** 44.7 cm long x 54.0 cm wide x 35.5 cm tall

**Vehicle Special Features:**
- Custom frame design cut by high-pressure water jet machine
- Fiberglass-coated Ballast
- T100 Thrusters
- Rotating/Panning Camera
- Stationary and Rotating Manipulators
- Lift Line, Conductivity Sensor, Tape Measure System, Water Pump

**Safety Features:**
- 25 amp fuse
- Cords pulled taut to prevent entanglement
- Safety partitions on moving and hazardous parts
- No sharp edges
- Water-tight electrical connections
- Abrasion resistant tether wrap
- Water-tight pelican case for control box
- Point-of-no-tension on vehicle and control box

**Overview:**
InnovOcean is an oceaneering company created in 2007 that designs, constructs, and operates Remotely Operated Vehicles (ROVs) for any task. Our newest vessel, Crush, is our most advanced vehicle yet and has been designed and crafted to explore and evaluate the Canada Basin and its iceberg and to maintain, inspect, and repair oil pipelines.

**Team Members:**
- Dorothy Szymkiewicz (3rd)  
  - CEO
- Daniel Kuntz (2nd)
  - COO, Chief Software Eng.
- Adlar Tuten (2nd)
  - CFO, Pilot
- Robert Bennett (2nd)
  - Chief Executive Engineer
- Connor Dempsey (3rd)
  - Testing & Operations
- Anthony Zheng (1st)
  - Head of Communications
- Jared Camp (2nd)
  - Communications
- Jill Fazio (1st)
  - Government Regulations
- Josh Wright (2nd)
  - Safety Director
- Matthew Cason (2nd)
  - Chief Engineer
- Matthew George (2nd)
  - Chief Engineer
- Lacey Needham (1st)
  - General Engineer