1. ROV Name: Lord Of The Arctic (LOTA)
2. Total cost: $3506.22
3. Weight: 10Kg
4. Safety features:
   - No sharp edges
   - Frame encloses all the ROV components inside it
   - A safety rope is tied to the frame to pull the ROV when needed during testing.
   - The converters have a built-in temperature sensor to shut down the power supply if overheating occurs.
   - A barometer is used to detect any leakage through the end caps of the electronics cans.
   - Two water sensors are installed in each tube to detect any water leakage.
   - A temperature sensor detects any rise in electronic cans' temperature above a certain user-defined threshold.
   - A current sensor is used to monitor the current of each thruster for safety.
   - A kort nozzle is attached to each motor for safety reasons.
   - The control station has a programmed safety section and an auto-shutdown system for any emergencies.
   - A safety button for system power-off and a main 40A fuse are installed in the control station.
   - All the power plugs are covered and all the wires are secured tightly.
   - An I/V sensor is used to monitor and display the total voltage and current consumption of LOTA.
   - The manipulator servos have a separate converter to avoid any system failure if current drainage increased due to jamming.
   - A safety trolley is used to ease transportation.