Company Specs

Company: HRT (Heritage Robotics technologies)
School: Heritage Collegiate
Home state and/or country: Lethbridge, Newfoundland and Labrador, Canada
Distance required to travel to the international competition: 3,689.7 km
History of MATE ROV competition participation: Jessica Stephenson (new), Riana Simmonds (new), Amy Stephenson (new), Felicity Tremblett (new), Ava Dooley (new), Amelia Greening-Pardy (new), Kyle Dingwall (new), Billy Newell (new), John Williams (returning), Cally Best (returning).
Grade Range: 10-12
Company Photo:

Top Left: Felicity Tremblett (Financial Officer), Kyle Dingwall (Payload Tools Engineer), John Williams (Control Systems Engineer), Billy Newell (Payload Tools Technician), Amelia Greening-Pardy (Safety Officer)
Middle Left: Jessica Stephenson (Construction Technician), Amy Stephenson (Construction Technician), Riana Simmonds (Construction Technician)
Front Left: Ava Dooley (Structural Design Engineer), Cally Best (CEO), Kelsi Prince (Public Relations Officer)
**ROV Specs**

ROV name: Belisama  
Total Cost: $2 451.50  
Length: 53cm  
Width: 52 cm  
Height: 35cm  
Weight: 8.3 kg  
Total student-hours to design and build: 200+ hours

**Safety Features:**  
- Plastic guards around the propellers  
- Durable plastic netting covering the motors  
- Warning stickers

**Special Features:**  
- Handles on the side of the ROV to carry it, are ergonomically correct for the size of the average human's hand  
- The custom frame  
- Custom Python programming  
- Controlled with Xbox controller  
- Trouter-Grouter

Photo of the vehicle: