

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-Parry (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-Parry (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
- Trout-Grouter

Photo of the vehicle:

