

SAGONA

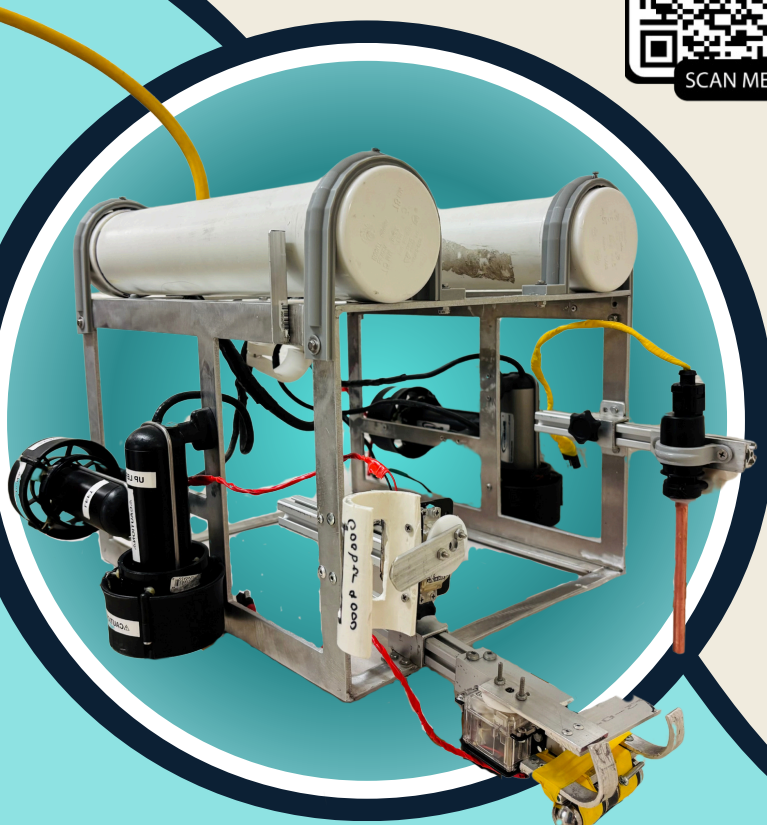
Cougar Robotics Inc.



Team - Cougar Robotics (Somers, 2025)

Crew Members (Left to Right):

Rachel Walsh (Gr 11): Director of Strategic Planning, Engineer
Mark Spurrell (Gr 11): Chief Engineer, Pilot
Natalie Poole (Gr 11): Assistant CEO, Data Analyst
Isaiah Dalton (Gr 11): CEO, Deck Manager, CAD Tech
Nathan Fillier (Gr 11): CFO, Pilot
Nicholas Reid (Gr 11): HR, Tether Manager
Mentors: Michael Spurrell, Allison Somers



ROV: Sagona (Dalton, 2025)

Company Information

Company Name: Cougar Robotics Inc.
School: Clarendville High School
Location: Newfoundland, Canada
Distance Traveled: 2977 km
History of MATE competition: Returning team
Years Competed: 2015-2024.
Division: Ranger

ROV Information

ROV Name: Sagona
Total Cost: \$8200.00
Size: 0.45 m x 0.34 m x 0.27 m
Weight: 9.2 kg
Total Student Hours: 1200+ hours

Safety Measures

ROV:

- Thruster shrouds (IP20-Standard)
- Protector shields for sharp tools
- Caution labels
- Safety fuse (25 amp)

Control Box:

- Emergency power off switch
- Voltage and amperage monitoring

Special Features

- Tool quick connects
- Waterproof electrical connectors
- Custom designed camera
- Custom designed tether
- Specially designed end effectors
- Powerful BTD-150 thrusters (12 V)
- 360° panoramic camera