



# SeaCow Robotics

Lanier High School  
918 Buford Hwy  
Buford, GA, USA, 30518

**DISTANCE TRAVELED:** 2335 km - Buford GA → Longmont CO

**COMPANY HISTORY:** Founded: 2020, Regional Engineering Award: 2021, World Championship Qualification: 2022

**COMPANY MEMBERS:** 9th-11th Grade

orange name indicates a returning member/mentor

**Makenna Reilly:** CEO, CFO, Lead Mechanical Engineer, Lead Electrical Engineer, Lead Programmer

**Violet Brockmann:** Lead Manufacturer, Lead Tether Manager, Mechanical Engineer

**Eliss Palacios:** Lead Prop Manager, Mechanical Engineer, Pilot

**Sarah Redstrom:** Lead Graphic Designer, Mechanical Engineer, Assistant Tether Manager

**Ciana Lee:** Programmer, Mechanical Engineer, Copilot

**Dr. Mick West:** Mentor

**Michael Reilly:** Mentor



From left to right:

Makenna, Ciana, Sarah, Eliss, Violet

## ROV SPECIFICATIONS

**ROV NAME:** LegenDairy Cow

**ROV COST:** ~\$2,900

**WEIGHT:** 8.2 kg without tools, 9.6 kg with tools

**SIZE:** 25 cm x 39 cm x 52 cm

**TOTAL STUDENT HOURS:** 1,000+



**SAFETY FEATURES:** topside control box acrylic cover, one shutoff switch, smoothed edges on frame, thruster guards, pressure relief valve, pressure regulator

**SPECIAL FEATURES:** pitching camera, pneumatic claw, vectored thrusters, side-mounted manipulators, photogrammetry capabilities