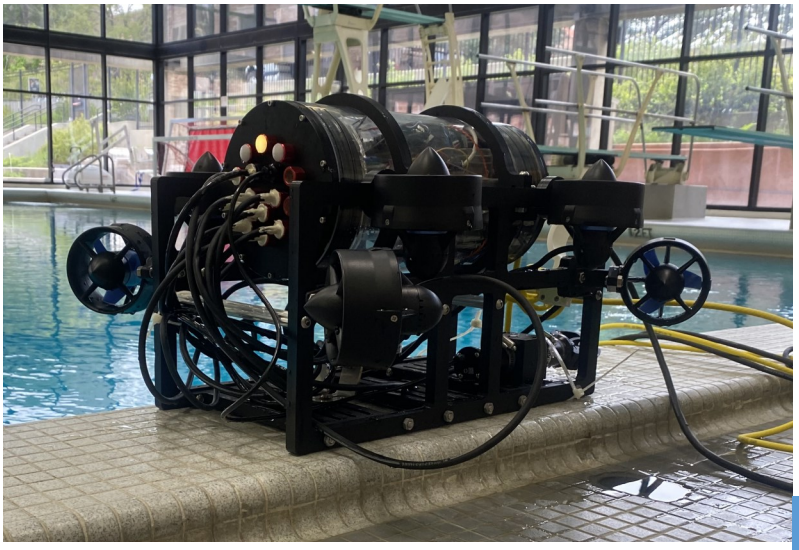

COLORADO ROBOSUB

2024 Company Spec Sheet

MATE ROV COMPETITION

ENGINEERING EXCELLENCE FUND

About us:

- Colorado Robosub has been competing in the MATE ROV competition for the past 3 years
- This will be our second time at the world competition, with our last appearance being last year
- Members from all undergraduate years, experienced and unexperienced
- Member of the Rocky Mountain region, hailing from CU Boulder in Boulder, Colorado. We will be travelling over 1400 miles to Kingsport!

Chimera's Special Features:

- 8 Motors allow for thrust vectoring and superior controllability
- Gripper rotation mechanism allows for grabbing and rotating objects
- Lights allow for superior visibility in all conditions
- Electronics rack slides out of sub to make maintaining and developing electronics easier
- DVL allows for highly precise position and orientation sensing

Safety Features:

- Innovative motor guards allow for less interference when driving
- Strain relief removes pressure submarine
- Fuse prevents electrifying water in event of a short

Rov Specs:

- Name: **Chimera**
- Total cost: $16500
- Size: 18in x 12in x 12in
- Weight: 20lbs
- Total student hours: 2700 hours

Team Photo + Roster:

From left to right: Ben Partee (Mechanical lead), Liam Harris (Electrical Lead), Dylan Kriegman (Systems engineering lead), Luke Morissey (software team), Xavier O'Keefe (CEO + Pilot), Tahn Jandai (software team), Jake Tucker (software lead), Connor Julson (software team), Ron Curry (Mechanical team), Amanda Stevens (Mechanical team) and Andrew Heck (Mechanical team)

Not pictured: Grant Riddle (Electrical team), Marcus Linton (Mechanical team)