

# LINN-BENTON ROV

LINN-BENTON COMMUNITY COLLEGE  
2023 EXPLORER CLASS  
ALBANY, OREGON, USA  
2050 KM FROM LONGMONT, CO



Theon Abbott -- Optics Lead

Nolan Andersen\* -- Profiler Engineer

Titus Black -- Production Ninja

Sierra Brightly -- CFO

Kyle Davis\* -- Profiler Engineer

Jason Fanger -- Software

Levi Kaup\* -- Pilot

Dominique Klahold -- Marketing

Sara Leathers\* -- COO

Chloe Madden\* -- Production Ninja

Aren Mowreader -- Logistics

Asher Richmond -- Production Ninja

Fernando Salazar -- A.I. Lead

Riley Smith -- Safety Officer

Caden Sullivan -- Lead Ninja

Dale Sydnam\* -- CEO

Emilia Watts\* -- Profiler Lead

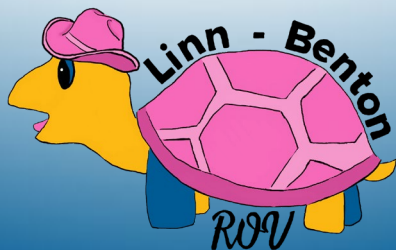
Greg Mulder -- Mentor

Heather Hill -- Mentor

Kathy Austin -- Mentor

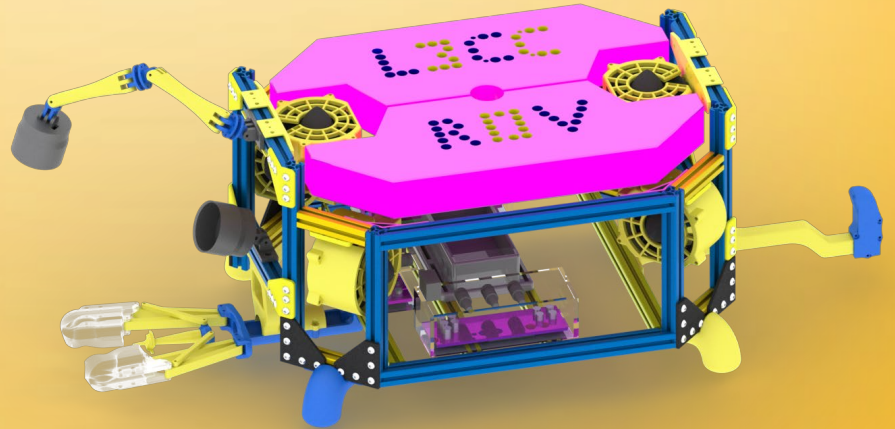
\* returning member

Linn-Benton ROV has been participating in MATE competitions since 2008 and is made up of students of all undergraduate levels.



# LEONARDO

*The ROV who says "dude."*



\$6400 USD



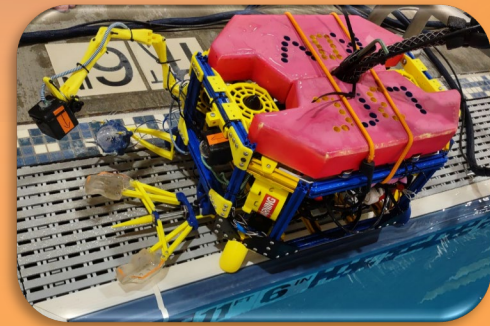
10,000+ hours



88 x 42 x 33 cm



13 kg



S

Adjustable cameras on extension arms for seeing around large payloads



P

Strong, adaptable pneumatic claw allows for use of task-specific tools



C

Turtle feet minimize drag when operating near ground



I

A.I. functionality

A

L



S

Shrouded propellers mitigate risk to curious fingers



A

Rounded edges to prevent injury or property damage when handling vehicle



F

Tether equipped with 30 A fuse and strain relief mechanisms at both ends

E

T

Power supply kill switch

Y