



Mana Robotics

Kamuela, Hawai'i, United States

Hawaii Preparatory Academy

Second Year MATE Competitor,

Placed 32nd at Worlds Last Year

5500 Miles Traveled

ROV Information

Name: 'Ōmilu

Cost: \$3,476.28

Size: 600 mm (L) × 487.5 mm (W) × 462.5 mm (H)

~3,200 Student Hours

Weight: 7 kg

Special Features

6-DoF Movement System

Interleaving Pneumatic Claw

Controller-Based Pilot Interface

Industry Standard Control Software

Modular Claw with extension attachment

Safety Features

IP2X-Compliant Thruster Guards

Vacuum-Tested Enclosure

Leak Detection System with Topside Integration

Topside Emergency Kill Switch

Strain Relief System

Company Members

Conor Cavens (12th) — CEO, Pilot

Robert McIntosh (11th) — CTO, Pneumatic Engineer

Leia Benioff (11th) — CFO, COO

Lara Blanco Zeini (10th) — Community Outreach, Lead Design Engineer

Santino Tribuiano (11th) — Safety Officer

Leo Kurenbach (11th) — Pilot, Mechanical Engineer

Finlay Mulcahy (11th) — Lead Software Engineer

Matthew Schwarting (10th) — Mechanical Engineer

Micah McDowell (10th) — Mechanical Engineer

Wyatt Schumacher (10th) — Lead Mechanical Engineer, Design Engineer

Luke Vincent (10th) — Software Engineer

Robyn Brewer — Mentor

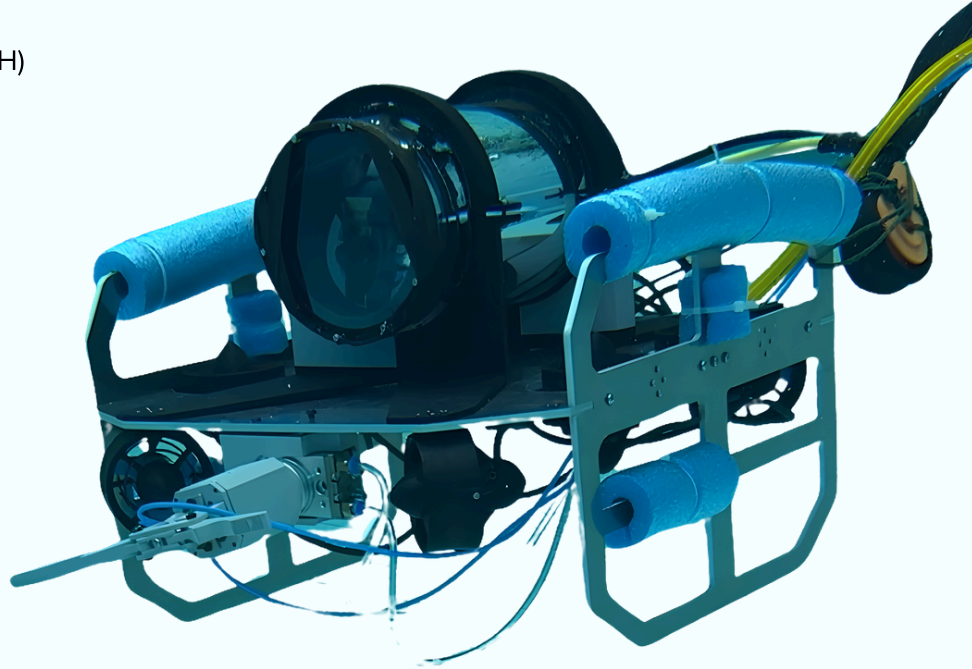


Photo of 'Ōmilu taken by Luke Vincent



All Photos taken by Patrick O'leary
Photos are read from left to right, then top to bottom