



The GEARs Team

Established in 2023, the GEARs team comprises six members skilled in engineering, problem-solving, and creativity. Tasked with designing and constructing a versatile ROV capable of fulfilling oceanic and environmental challenges faced across the globe, our newest robot, the Vaquita 2.0, provides an effective solution. As a company, GEARs strives to address and combat global issues through quality engineering and technology.

Colossians 3:23

“Whatever you do, work heartily, as for the Lord and not for men.”

Sponsors



General Engineering And ROV Specialists



gearsincrobotics.com/mate_rov



What is MATE?

The MATE (Marine Advanced Technology Education) ROV competition is an underwater robotics challenge focused on ocean-based solutions, problem-solving, and conservation.

This global challenge inspires students to learn and apply STEM concepts to solve real-world problems researchers face worldwide.

Vaquita 2.0

Meet Vaquita 2.0

The Vaquita 2.0 is designed to efficiently monitor and protect endangered ecosystems, retrieve scientific data, and combat environmental challenges through research development.



Special Features

- Powerful thrusters for enhanced mobility
- High-definition camera
- Specialized manipulator with strong grip

Safety Features

- Custom 3D printed thruster guards
- Vent for pressure release
- Braided tether sleeve to prevent snagging