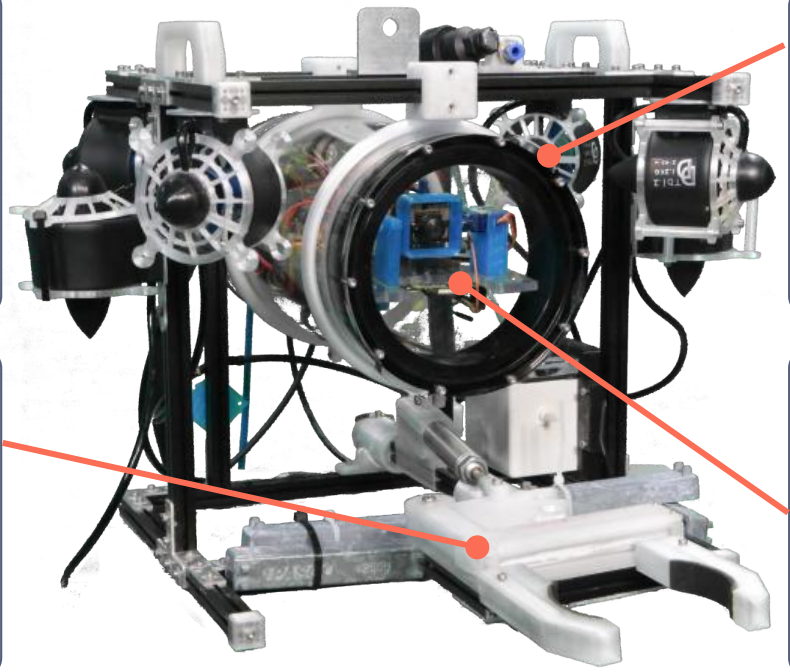
MEDUSA

309 x 333 x 295 mm | 10.3 kg | $4730.84 | 308 hours

Pilot Inversion

Written software that improves pilot ability by easily changing thruster values to allow for smooth piloting from different viewpoints.



Custom PCB

A custom-made power control board (PCB) manufactured to accommodate for all of Medusa's electronic needs.

Rotating Parallel Gripper

A pneumatically-powered parallel gripper with custom adjustable mounting and interchangeable arms used to meet all pilot needs and complete a variety of tasks.

Digital Camera System

A multi-stream, low -latency, fully digital camera system provides high-quality video feed and multiple viewpoints to yield a highly maneuverable ROV.

Brought to you by Geneseas

St. Francis Catholic High School | Sacramento, CA USA | Distance Traveled: 1554.3 km

SAFETY FEATURES:

Thruster Guards

Protects operating personnel from injury.

Emergency Power Off

Ensures Deck Crew safety with easy and efficient shutdown of the ROV.

Sheathed Tether

Protects ROV power, pneumatics lines, and communications lines from damage.

Geneseas 2023 Team Members

COMPETITION MEMBERS:

Allie Dinh** '23	CFO
Sydney Goodall** '23	Software Lead
Morgan Jones** '23	CEO
Norah Zhou** '23	Electrical Lead
Sofia Stuck** '23	Mechanical
Isa Gutierrez** '24	Tools Lead
Lauren Grindstaff** '24	Mechanical Lead
Siena Marois** '24	Software Lead
Audrey Mayo** '24	CMO
Azul Kuppermann* '25	Tools
Kin Tirumala** '25	Software

* New Members
** Returning MATE Comp Participants
'High School Graduation Year

CREW:

Emily Asperger** '23 Mae Alvarez* '24; Franziska Kungys* '24; Grace Chavez* '25; Dar Eugenio* '25; Yixin Huang* '25; Izzy Ramos** '25; Alyssa Renomeron** '25; Gabby Rosario** '25; Laila Shamshad* '26; Yogja Singla* '26

COACHES:

Marcus Grindstaff, Kitara Crain, Dean Eugenio, Karen Jones, Maurice Velandia