

2022-2023

SPEC SHEET

ROVOTICS



2022-2023 ROV
Tardigrade

ROVOTICS Company Info

Jesuit High School Robotics
Carmichael, CA USA
Returning Team: 17 Time MATE
Competition Participants
Traveled: 1562 KM
Website: jesuitrobotics.com

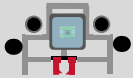


Special Features



ROS Architecture

A modular open source library made for robotics.



Modular Frame

Allows for addition and iteration in a fast and consistent manner



GO-BGC Float

Collects important data at various ocean depths

Safety Features



Safety Sensing

Advanced internal sensors allowing for leak detection.



One Click Power Off

Easy shutdown to ensure deck crew and ROV safety



Advanced TCU

Access to ROV thrusters and sensors with a easy-to-use interface

Team Members

Mechanical:

- '23 Timothy Monroe, CEO
- '26 Caden Kroettinger*
- '26 Declan Cooley*
- '26 Harry O'Hagin*

Electrical:

- '24 Jonah Reynolds, Lead
- '25 Charlie Kim*
- '25 Koen Miyashiro*

Software:

- '24 Alex Bertran, Co-Lead
- '24 James Randall, Co-Lead, COO
- '24 Adon Sharp
- '25 Douglas Crone

Safety and Compliance:

- '24 Nate Peterson, Safety Officer
- '25 Ethan Bullard
- '25 Mark Weeden

COACHES AND MENTORS

- Jay Isaacs
- Cheryl Kiyama
- Steve Kiyama
- Michael Sharp
- Kevin Miyashiro*

*New Members

ROV Quick Specs

Length..... 70 cm
 Width..... 60 cm
 Height..... 72 cm
 Weight..... 13.6 kg
 Total Cost..... \$6753.76
 Design & Build... 5040 hours
 ROV Name..... *Tardigrade*



Figure 1. ROVOTICS Team Members
See right for member names

