



Sunk ROBOTICS

🌐 sunkrobotics.com

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📍 Medford Vocational Technical High School
489 Winthrop Street Medford, MA, USA



JONA ROV

ROV FEATURES

↔ Dimensions: 28cm height, 46cm width, 57cm length

📏 Weight: 11.2 kg

💰 Cost: \$3500

🕒 Hours: 380 working hours

🔧 Materials: Aluminium, Acrylic, PLA

SAFETY FEATURES

- 25 amp fuse within 30cm of PSU
- Strain relief on JONA ROV and cart
- Cap nuts and deburred edges to prevent physical harm
- Thruster guards on all thrusters

SPECIAL FEATURES

- Custom made Aluminium frame
- Modular PCB electronics system
- Automatic stabilization
- Modular Manipulator design

THE TEAM



DISTANCE TRAVELED:

850 Miles



*First-year competitor | **Returning competitor

Matty Harris** - Lead Software Engineer / CEO - '24

Noah Gibson** - Assistant Software Lead - '24

Zack Bertocchi** - Head of Marketing / CSO - '24

Franklin Soto-Ortiz** - Director of Training - '24

Ben Santana* - Graphics Engineer - '24

Aaron BenDaniel** - Hardware Lead - '25

Ben Wirz** - Lead Float Engineer - '25

Scott Campbell** - Lead Float Engineer - '25

Tim Hunt* - Hardware Engineer - '27

Miles Hilliard* - Hardware Engineer - '27

Jonas Wirz* - Pilot - '27

ABOUT US

Sunk Robotics was founded in September of 2021 by a group of students from Medford Vocational Technical High School. The company operates out of the vocational school's Robotics & Engineering shop. Since its founding in late 2021, the team has won two New England Regional competitions and attended the MATE ROV World Championships in both California and Colorado. The team has members ranging from first year students to those in their final year. Sunk Robotics has succeeded in bringing underwater robotics to MVTHS and plans to do so for years to come.

COMPETITION HISTORY

- 2022 MATE ROV New England Champions
- 2022 MATE ROV World Championship Competitors
- 2023 MATE ROV New England Champions
- 2023 MATE ROV World Championship Competitors
- 2024 MATE ROV New England Champions