

Remote Underwater Servicing Systems Incorporated

Carrollton High School in Carrollton, Georgia, USA

1250 kilometers from Carrollton to Houston

History of MATE ROV participation: 4 years at the Grey's Reef Regional, 4 years in the international competitions

Employees in grades 9-12



- First Row: Matt Cline (CFO), Kelcy Newton (Head of Research), Jay Ray (Systems Engineering), Caroline Cooper (Head of Research), Karl Sanchez (Government and Regulatory Affairs), Lucy Hutcheson (Construction Department), Quinn van Zanten (Construction Department), Rebecca Hutcheson (Research Department)
- Second Row: Jeremy Huff (Mentor), Aaron Rucker (Construction Department), Phyll McCrary (Construction Department), Bo Lovvorn (Construction Department), Elizabeth Curvino (Research Department), David Beal (Construction Department), Abbey Greene (Design Integration), Ryan Kendall (Construction Department), Scott Kunkel (Construction Department), Kristie Bradford-Hunt (Mentor)
- Third Row: Wesley Ivester (Construction Department), Justin Whitaker (Safety and Operations), Steven Redolfi (Construction Department), Russell Ives (CEO), Patrick Dost (Testing), Kaj Hansen (Construction Department), Sam Jarrell (Construction Department), Conner Mount (Construction Department), Carter Smith (Systems Engineering), Brendan Whitaker (Construction Department)

ROV: Tactical Apparatus for Nautical Know-how

46.7 cm x 94.6 cm x 56.8 cm

17.7 kg in air

Total Cost: \$5,105.37

Primary Materials: Aluminum, Polycarbonate, PVC

Safety Features:

- Safety Partitions
- No sharp edges
- 25 amp fuse in place
- Foam on tether
- Clearly labeled moving parts

Special Features:

- Custom Saline Solution Collector including modified Erlenmeyer Flask
- Masamune and gear system to turn the wellhead valve
- Custom frame design
- Custom grappling hook
- Basket

