



Company Spec Sheet



2023 – 2024 Colossus Titan

WUROV Company Info

School Club: Institute of Electrical and Electronics Engineers
University: Wentworth Institute of Technology
Location: Boston, Massachusetts, USA
Returning Team: 4th Time MATE Competition Participants
Traveled: 836 Miles | 1340 KM

ROV Overall Specs

Length 63 cm
Width 68 cm
Height 31 cm
Weight 21.6 kg
Total Cost \$6,500
Design & Build +6000 hours
ROV Name Colossus Titan



Deck Crew Team

Team Members

Programming:

- '24 Tedi Qafko, Team Lead, CEO
- '27 Clayton Easely*
- '25 Victor Lomba*
- '26 Ergisa Koci*

Electrical:

- '24 Tedi Qafko, Team Lead
- '26 Trout Marnell, Team Co-Lead
- '26 Jonah Velho, Team Co-Lead
- '25 Belinda Truong, Safety Officer
- '26 Emily Hagen*
- '26 Theo Espy*
- '26 Luis Leins*
- '26 Kyle Leger*
- '26 Trevor Guilmette*
- '26 Ryan Fitzroy
- '26 Quin Cabral*
- '27 Braden Adler*

Mechanical:

- '26 Noah DeGrazia, Team Lead
- '26 Lulya Tesfamicael*
- '27 Olivia DeMelo*
- '26 James Mellor*
- '26 Jeffrey Caldwell
- '26 Robert Stewart*

Mentors:

Ph.D Saurav Basnet

**New Members*

Special Features

ROS1 Architecture

Modular open-source design for networking with various modules.

Modular Electronics

Allows for fast troubleshooting, and fast compatibility with additional systems.

GO-BGC Float

Retrieves depth data in the ocean in vertical profiles.

Safety Features

Strain Relief

Allow quick removal of ROV from water in emergency situations.

Thruster Guards

Prevents objects from interfering with motors.

Fuse

A 30 amp fuse within 30cm of the power connector to prevent damages from current spikes.

