

Company Spec Sheet

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



2023 – 2024 Colossus Titan

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

Special Features

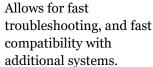


Safety Features

ROS1 Architecture

Modular open-source design for networking with various modules.







GO-BGC Float

Retrieves depth data in the ocean in vertical profiles.



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.

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

