



Whaletechrobotics@gmail.com

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North Paulding Robotics, 300 N Paulding Drive, Dallas, Ga, USA  
2259 KM traveled to the MATE World Competition, Longmont, CO.

# WHALETECH ROBOTICS

## “Whale III”



### ROV FEATURES

Dimensions:	35cm height x 43cm length x 34cm width
Weight:	11.68 kg
Cost:	\$5,168.00
Hours:	430 Hours working hours
Materials:	HDPE frame, 3D printed plastic, aluminum extrusions

### SAFETY FEATURES

- 30 Amp fuse within 30 cm of power supply
- Main power shut off
- All aspects are waterproofed
- Custom 3D printed thruster shrouds
- Warning labels on all moving parts
- Tether restraints on surface box and ROV side

### SPECIAL FEATURES

- Custom Designed CNC frame
- 3 Explore 3.0 waterproof cameras
- Custom 3D printed manipulator
- Onboard Electronics and housing system

### ABOUT US

WhaleTech Robotics was established in 2021 by a group of students from North Paulding High School. Our team members have been building and competing in ROV competitions since 2017. Ranging from freshman to seniors of North Paulding High School. We are excited to be participating in the 2023 Gray's Reef MATE Regional Competition.

### MEET THE TEAM



4 years	Tony Brozowski
3 years	Michaela Hopfner
3 years	Garrett Lanham
3 years	Gavin Osterloh
2 years	Graham Joonsar
2 years	Tyler Pold
2 years	Jacob Banta
2 years	Ian Osterloh
1 year	Charlie Boles
1 year	Phaelan Pearson

### COMPETITION HISTORY

2023, 2022, 2021, 2019, 2018, 2017  
 First place Gray's Reef MATE Southeast competition  
 2022 4<sup>th</sup> place MATE EXPLORER International Competition  
 2021, 1<sup>st</sup> Place MATE RANGER International Competition  
 2018, 7<sup>th</sup> Place in MATE RANGER International Competition

CEO, Mechanical Engineer
CFO, Electrical Engineer
Mechanical Engineer
Mechanical Engineer
Software Engineer
COO, Design Engineer
Software Engineer
Mechanical Engineer
Electrical Engineer
Mechanical Engineer