

# 404 Engineering



Robotic chaos at it's finest.

✉ engineering404@outlook.com

📍 Dallas, Georgia, USA

📍 463 km traveled to the MATE World Championship in Johnson City, TN



## "ERROR"

### ROV FEATURES

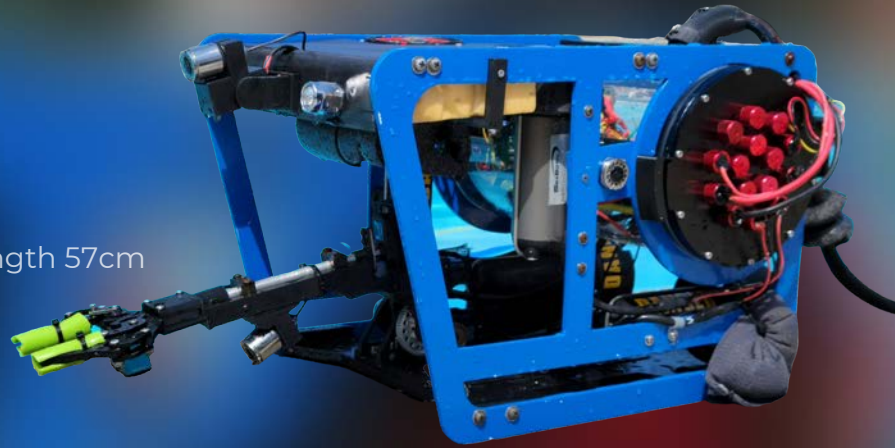
📏 Dimensions: width 30cm, height 31cm, length 57cm

📊 Weight: 13kg

💰 ROV Total Cost: \$5854.00

🕒 312 working hours

Materials included: PVC frame, 3D printed plastic filament



404 Engineering Explorer Class competition ROV  
Photo Credit: MLewis

### SPECIAL FEATURES

- Custom designed PVC frame
- 4 Seabotix thrusters
- 4 cameras for maximum viewpoints
- Custom built manipulator
- Onboard electronics

### SAFETY FEATURES

- 30 Amp fuse within 30 cm of power on positive line
- Main power shut-off switch
- All compounds are waterproofed
- 3D printed guards on all thrusters, front and back
- Warning labels on all moving parts
- Custom designed tether restraint

### ABOUT US

404 Engineering was established in 2019 by a group of alumni from North Paulding Robotics. Our team members have been building ROV's and competing in the MATE ROV Competition for over 8 years. Ranging from Freshman to Juniors at Kennesaw State University, we are excited to participate in the Explorer class for the first time.

### MEET OUR TEAM



404 Engineering Team Members pictured left to right  
Photo Credit: MLewis

**Glen Lewis**

CEO, Pilot, Lead Electrical Engineer

**Michael Lees**

Director, Props Mgr., Lead Software Engineer

**Ben Buzzelli**

CFO, Tether Mgt., Electrical Engineer

**Spencer Hood**

Safety Officer, Co-Pilot, Mechanical Engineer

### COMPETITION HISTORY

2019, 2018, 2017  
MATE World Competition  
Ranger class

2019 MATE Ranger Class  
Engineering Presentation Award

2015-2019  
MATE Gray's Reef  
Regional Competition  
Ranger, Navigator and Scout class

