



Company Spec Sheet

Company Details

Name: ROBO-TECH Rangers

Home State: Alexandria, Egypt

- Founded in 2014
- 4th year competing
- Pre-College students through junior level
- Distance to Regional Event: 10KM
- Estimated Distance to International: 10500KM

ROV Details

- Name: Master Oogway
- Total Cost: 2050\$
- Dimensions: 55cm * 60cm * 40cm
- Mass: 13kg
- Tether Mass: 3.5kg
- Material Used: Polyethylene
- Max Speed: 0.9m/s
- Total Student Hours: +10,000hrs

Special Features

- Distinctive autonomous features
- Extremely modular software
- Dual Hot swapped Manipulators
- Rotational camera angles - Switching ability for clearer feed
- Sleek Design
- 5 degrees of Freedom



Master Oogway

Safety Features

- Shrouded Thrusters
- Pressure regulator and release valve
- Sheathed tether with dual end strain relief
- Positive buoyancy
- Transparent electronics enclosure
- Rounded edges
- Fast blown fuse
- Accessible AC/DC switches



John Youssef

New

Grade 11

CEO | Pilot

John Gaied

New

Grade 11

Electrical Head

Phoebe Atta

New

Grade 11

CFO | CFD Engineer

Peter Emeel

New

Grade 11

Mechanical Head

Abanoub Bakhoum

New

Grade 11

Mechanical | Fabrication

Abanoub Hanna

Returning

Grade 10

Mechanical | Fabrication

Michael Ibrahim

New

Grade 11

Mechanical | Design

Felopatir Shenouda

New

Grade 11

Mechanical | Fabrication

Rober Gad

New

Grade 11

Software | Communication

Mina Atta

New

Grade 11

Electrical | Hardware

Matthew Abdelmalek

New

Grade 10

Computer Vision