

Company Profile

- Company's 1st year participation at MATE ROV.
- Consisting of primary & secondary students.
- Traviling Distance 14277 KM.

Special Features

- Replaceable module design.
- Small sized, thus it can emerge between narrow places
- Arms are removable to be modified and re-changed according to neoteric requirements.
- Cameras located on arms, consequently, the pilot can be aware better of the mission's updates.
- Acrylic and transparent body so that pilot can be aware of the new situations underwater.
- Pan and tilt camera to see various angles underwater.
- Emegnecy button leveling in case of dangerous.
- 3 axis Compass, 3 axis Accelerometer.
- Pressure sensor for the detection of water depth.
- Driving Station.
- ROV lifting bag.
- Lighting System.

Safety Features

- Orings for the endcaps of the electronic can
- Frame coeners smoothed.
- Shrouds around motors.
- Electronic thermal protection.
- Reverse voltage diodes.
- Emergency stop.
- Fuse 5Amp for each motor.
- Current sensor for each motor.
- Water detection sensor.



Team Members

- Yehya El Masry: CEO, Pilot.
- Samaa Mohamed Ali: Marketing manager, Co-pilot.
- Youssef El Gendy: CFO, Tether man.
- Rowan Tarek: Safety officer, Research & development.
- Mayssara Moetez: Media designer.
- Ahmed Gamal: Head of Mechanical team.
- Eslam Fathi: Mechanical engineer.
- Ahmed El Eshra: Programmer, Electrical engineer.
- Mostafa Ali Mansour: Research & development, Mechanical engineer.

Triton Specs

- Weight in Air: 6Kg.
- Dimensions:
 - Length 45cm
 - Width 30cm
 - Hegith 35cm
- Power Requirements: 12V, 20Amp
- Maximum Operating Depth: 20m
- Primary materials:
 - Acrylic
 - Polyethylene
- Production Cost: \$1780



ROV Description

- Propulsion: 8 Thrusters.
- Manipulators: 2 Arms.

