



# AQUAPHOTON

## Company Specifications

**Company Name:** Aquaphoton ,

**Home State :** Alexandria, Egypt.

**Distance to International competition:** 9396 km

**Competition Participation:** 3<sup>rd</sup> year participating

**Education Level:** All team members studying  
Electromechanical engineering at 10<sup>th</sup> semester.

**Mentor:** Dr. Mohab Hossam



## Company Members

Name	Role
Abd Elrahman Samir	Mechanical Engineer (Thrusters), CEO, CFO
Mostafa Hafez	Mechanical Engineer (Manipulator), Mechanical Team Captain, Fundraising
Ahmed Saeed	Mechanical Engineer (Frame & Buoyancy), Pilot, Poster Director
Mostafa Abd Elaal	Mechanical Engineer (Vision System), Media Director
Mohamed Mosaad	Mechanical Engineer (Thrusters), Safety Officer, Technical Writing
Moataz Tarek	Mechanical Engineer (Electric Canister & Buoyancy), Presentation Director
Mohamed Farouk	Mechanical Engineer (Manipulator), Tetherman, Workshop Director
Omar Ibn Elkhatab	Electric Engineer (Communication System), Electrical Team Captain, CO-pilot
Mohamed Hassan	Electric Engineer (Electric System Designer & PCB )
Mohamed Zaytoon	Electric Engineer (Programming)

## ROV Specifications

**ROV Name:** THE ADMIRAL 2

**Project Cost:** 25,103\$

**ROV cost:** 3,076 \$

**Primary Materials:** TECAMID polyamide, Stainless steel

**Total Weight:** 48 kg

**Dimensions:** 70cm X 50cm X 40cm

**MAX. current consumption :** 30 Ampere

### **Safety Features:**

- Safety Signs
- Shrouded propeller
- Tether well attached to ROV
- Main Fuse
- No sharp edges

### **Special Features:**

- Smooth propulsion systems
- Powerful vertical thruster
- Multiple function manipulators
- Camera tilting mechanism
- Lighting spots
- Fast connection system

