



Figure 1: Atlantis Company photo by Mate Regional Volunteer

Alexandria, Egypt

Vortex Robotics Academy

Distance Travelled : 6,990Km - Competing for the 7th Year

COMPANY STRUCTURE

Team ID : 0421B - Grade Range : 7-12

HourAhmed* FM

Yostos Youssef CFO

Mohamed El Sayed* Tools PM

Julie Joseph Marketing Display PM

Justin Joseph* Safety Officer

Youssef Masnour

Yassin Mansour

Hamza Mansour

Omar Mansour

Mesk El Sayed

Habiba Ahmed

Yassin Khair

Ahmed Rezk

Omar Elmasry CEO

Zeyad Amr CTO

Fares Hossam*

Hamza Amr

Amr Nabil Adam

Sherif

Eyad wagdy*

LEGEND SPECIAL FEATURES SAFETY FEATURES

Total cost: 4332\$

Total Mass in Air: 14.96 KG

Total Hours to Build: 1984 hr

X-axis → Length → 50 cm

Y-axis → Width → 45 cm

Z-axis → Height → 35 cm

Primary Material: Aluminum

25A inline fuse near the power supply
Overvoltage PCB protection
AC and DC systems isolated
3D-printed thruster guards (IP20)
Guards block objects > 12.5 mm
Deburred aluminum frame
Rounded cap nuts on bolts
Pressure regulator not to overpressure
Modular aluminum chassis
Wide-stance frame

Tri-housing watertight system for electronics & cameras
Durable metal thruster mounts (impact-resistant)
HDPE grippers + rotary tool
Custom GUI with live video & telemetry
Multiple camera views + recording
Pilot / Co-pilot / Standby modes
Real-time safety controls (arm/disarm, shutdown)

PM: Project Manager

FM: Functional Manager

*: Returning Member

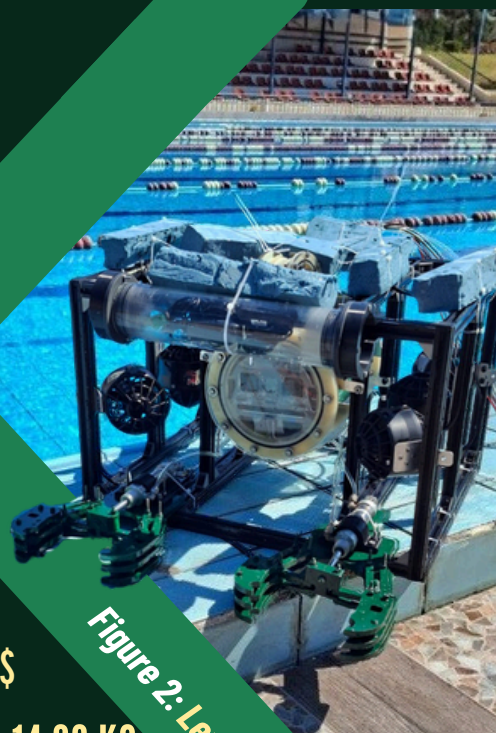


Figure 2: Leviathon by Abdullah Fawzy

MECHANICAL DEPARTMENT
SOFTWARE DEPARTMENT

ELECTRICAL DEPARTMENT

