



# Arab Academy for Science and Technology

Alexandria, Egypt



Invictus company members with Brotta II

Amr Khamis  
Supervisor

#### Mentors:

Mohamed Loffy  
Mohamed Samir  
AbdelRahman Nasser

Hossam Samir  
Hesham Fadl  
Ahmed El-Dawansy

#### Mechanical Team:

- '20 - Abdallah Osama CFO & Mechanical Lead
- '23 - Ahmed Loffy
- '20 - Mahmoud Said
- '23 - Mohamed Kamel
- '23 - Omar Aman Government & Regulatory Affairs
- '23 - Yousef Nabil
- '24 - Yousry Atef

#### Electrical & Control Team:

- '20 - Yousef Aly CTO, Electrical Lead & Pilot
- '21 - Hania Ahmed
- '21 - Emad Ahmed
- '21 - Ahmed Samy CEO

#### Software Team:

- '21 - Ahmed Hany
- '22 - Ahmed Kantoush
- '21 - Karim Walid R&D, Software Lead & Copilot
- '22 - Nouredin El-Dehy Safety Officer
- '23 - Walid Kamal



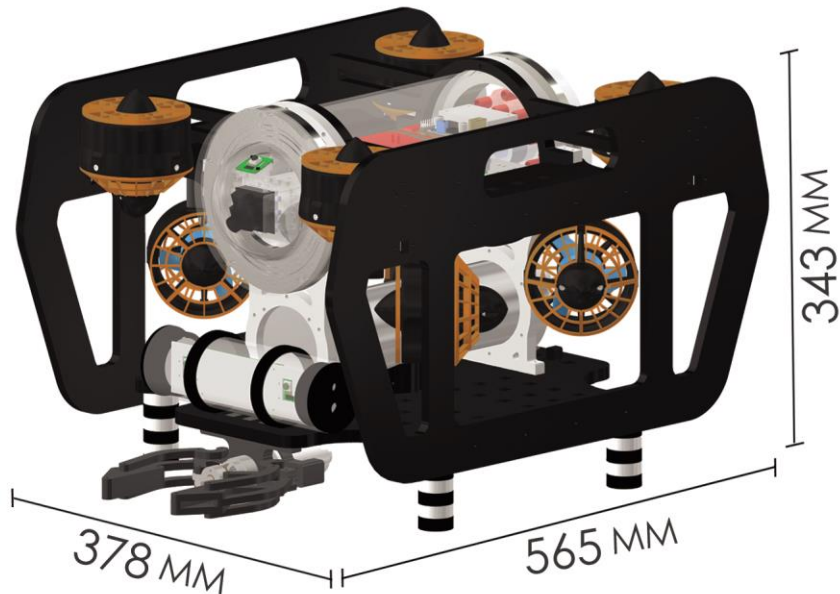
■ : New members

All other members are returning

# INVICTUS

COMPANY RETURNING FOR THE THIRD YEAR

- Total Cost: \$2887.75
- Working Hours: 3600 hrs
- Distance Traveled: Telepresence
- Weight: 18 kg



## Brotta II

- Special Features
  - Modular and easily modifiable design
  - Depth Mapping using stereo vision
  - Autonomous monitoring of marine life health and species diversity
  - Equipped with tools to combat pollution and maintain healthy waterways
- Safety Features
  - Emergency stop switch
  - Short-circuit and over-current protection
  - Software lockout when connection is lost
  - Tether is bundled and strain-relieved at both ends

