**Invictus**

**Company Returning for the Third Year**

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

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**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
- '23 - Ahmed Loffy
- '20 - Mahmoud Said
- '23 - Mohamed Kamel
- '23 - Omar Aman
- '23 - Yousef Nabil
- '24 - Yousry Atef

**Electrical & Control Team:**
- '20 - Yousef Aly
- '21 - Hania Ahmed
- '21 - Emad Ahmed
- '21 - Ahmed Samy
- '24 - Yousry Atef

**Software Team:**
- '21 - Ahmed Hany
- '22 - Ahmed Kantouch
- '21 - Karim Walid
- '22 - Nouraldin El-Dehy
- '23 - Walid Kamal

**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

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**Brotta II**

- [Image of Brotta II]

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**MATE**

- [Image of MATE logo]

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- New members
- All other members are returning