**HYDRUS-X**

**ROV Name**

**Company returning for 6th year**

- Weight: **12 kg**
- Total Cost: **4850 Dollars**
- Design and Build Time: **4200 Hours**
- Distance Travelled: **Telepresence**

### Special Features

- Instantly Changeable Mechanic Structure
- Multi-purpose gripper
- Modular Electronics Structure
- Custom Printed Circuit Boards
- P.I.D System
- Deep Learning
- Custom Operating System
- Multiple Cameras

### Safety Features

- Over-Voltage Protection
- 30A Fuse
- Emergency Button
- No Sharp Edges
- Thruster Shroud
- Strain-Relieved Tether
- Warning Stickers
- Software Emergency Sequences
- Notification LEDs

### Company Information

- **Berat Eren Doğan** - Year 1
- **Ertuğrul Şahin** - Year 4*
- **Şevval Yıldız** - Year 3*
- **Ali Eren Mercan** - Year 2*
- **Furkan Sezer** - Year 3
- **Kağan Ulusoy** - Year 3
- **Özgün Can Münükü** - Year 2
- **Furkan Kirlangıç** - Year 3
- **Engin Sunal** - Year 3
- **Gadyr Atahanov** - Year 3
- **Ömer Faruk Karadeniz** - Year 1
- **Sercan Yığıt** - Year 3
- **Yusuf Salih Gurbet** - Year 1
- **Cihat Tekne** - Year 2
- **Lara Çınar** - Year 1

- **CEO – Embedded Software Unit Member**
- **CFO – Electronics Unit Member**
- **CTO – High Level Software Unit Member**
- **Embedded Software Unit Leader**
- **High Level Software Unit Leader**
- **Mechanical Unit Leader**
- **Electronics Unit Leader**
- **High Level&Embedded Software Unit Member**
- **Electronics Unit Member**
- **Electronics Unit Member**
- **Electronics Unit Member**
- **Electronics Unit Member**
- **Mechanical Unit Member**
- **Marketing Unit Member**

* = returning
All other members are new member

**Yıldız Technical University**

**Istanbul, Turkey**