

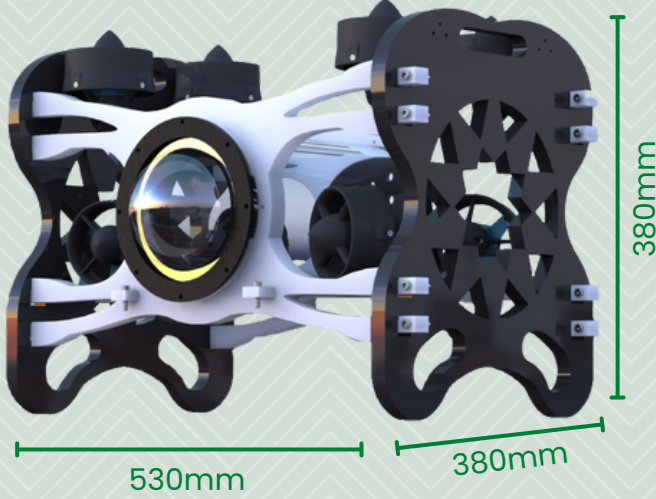


ROV Name

# HYDRUS-X

# CASMARINE

Company returning for 6th year



Weight: **12 kg**



Total Cost: **4850 Dollars**



Design and Build Time: **4200Hours**



Distance Travelled: **Telepresence**

## Special Features



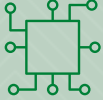
Instantly Changeable  
Mechanic Structure



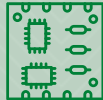
Multi-purpose gripper



Specialized  
Control Station



Modular  
Electronics Structure



Custom Printed  
Circuit Boards



Custom  
Operating System



Multiple Cameras



P.I.D System



Deep Learning

## 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	CEO - Embedded Software Unit Member
Ertuğrul Şahin	Year 4*	CFO - Electronics Unit Member
Şevval Yıldız	Year 3*	CTO - High Level Software Unit Member
Ali Eren Mercan	Year 2*	Embedded Software Unit Leader
Furkan Sezer	Year 3	High Level Software Unit Leader
Kağan Ulusoy	Year 3	Mechanical Unit Leader
Oğun Can Münüklü	Year 2	Electronics Unit Leader
Furkan Kirlangıç	Year 3	High Level&Embedded Software Unit Member
Engin Sunal	Year 3	Electronics Unit Member
Gadyr Atahanov	Year 3	Electronics Unit Member
Ömer Faruk Karadeniz	Year 1	Electronics Unit Member
Serkan Yiğit	Year 3	Electronics Unit Member
Yusuf Salih Gurbet	Year 1	Electronics Unit Member
Cihat Tekne	Year 2	Mechanical Unit Member
Lara Çınar	Year 1	Marketing Unit Member

\*=returning

All other members are new member



Yıldız Technical University



Istanbul, Turkey