

WHEN SCIENTISTS GO UNDER THE WATER
BİLİM İNSANLARI SUYUN ALTINA İNDİĞİNDE

UNDERWATER COMMUNICATION

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WHAT IS
SCIENCE IN BLUE

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EUROPEAN SCIENCE FESTIVAL-RESEARCHERS' NIGHT

THE LAST WEEK OF SEPTEMBER EVERY YEAR ACROSS EUROPE

27-28 September 2024
Galatasaray University

26-27 September 2025
Akdeniz University



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the European Union


MAVİ
HACKATHON
Denizin derinliklerinde teknoloji macerası başlıyor!
Mavi Hackathon, lise öğrencilerini İstanbul Boğazı'nı keşfetmeye ve kodlama becerilerini geliştirmeye çağırıyor. Galatasaray Üniversitesi ndeki etkinlikte öğrenciler, boğazın verilerini toplayacak bir cihaz geliştirecek. Tasarlanan ürün bir ROV'a monte edilecek ve öğrenciler, kendi kodladıkları cihazın dalışını komşulıktan izleyebilecekler.
MAVİDE BİLİM
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KÖPRÜÜSSÜ
SİMÜLATÖRÜ
27 Eylül 2024
09:00 - 18:00
Denizciliğe yelken açmaya hazır mısın?
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TEA TALK
27 Eylül 2024
AYDIN DOĞAN SALONU
16:00 - 17:00 Çay/Kahve İkramı
17:00 - 19:00 Sunumlar
The Science of Diving
MAVİDE BİLİM
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BOĞAZDA
GECE
DALIŞI
27 Eylül Cuma
17:00 - 23:00
MAVİDE BİLİM
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ARAŞTIRMA
VE
DALIŞ
ARAÇLARI
27 Eylül 2024
10:00 - 18:00
Cuma
SARAY BİNASI
SERGİ SALONU
MAVİDE BİLİM
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BOĞAZDA
SATIH
DESTEKLİ
BİLİMSEL
DALIŞ
28 Eylül Cumartesi
10:00 - 12:00
MAVİDE BİLİM
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DENİZLERİN
MİRASI
Okyanuslar ve sualtı kültür mirası hakkında ne kadar bilgiye sahibiz?
MAVİDE BİLİM
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ROBOTLAR
SENİ ÇAĞIRIYOR!
28 Eylül Cumartesi
13:30 - 18:00
MAVİDE BİLİM
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RESEARCHERS AT SCHOOLS

7 Bölgede
140 Okulda



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RESEARCHERS AT SCHOOLS



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Prof Dr S. Murat EGİ
Burak TEKDAMAR
Ebru ÖKSÜZ

UNDERWATER COMMUNICATION



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UNDERWATER COMMUNICATION

- **SELF**
- **CONTAINED**
- **UNDERWATER**
- **BREATHING**
- **APPARATUS**

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BREATHING UNDERWATER (1)





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BREATHING UNDERWATER (2)





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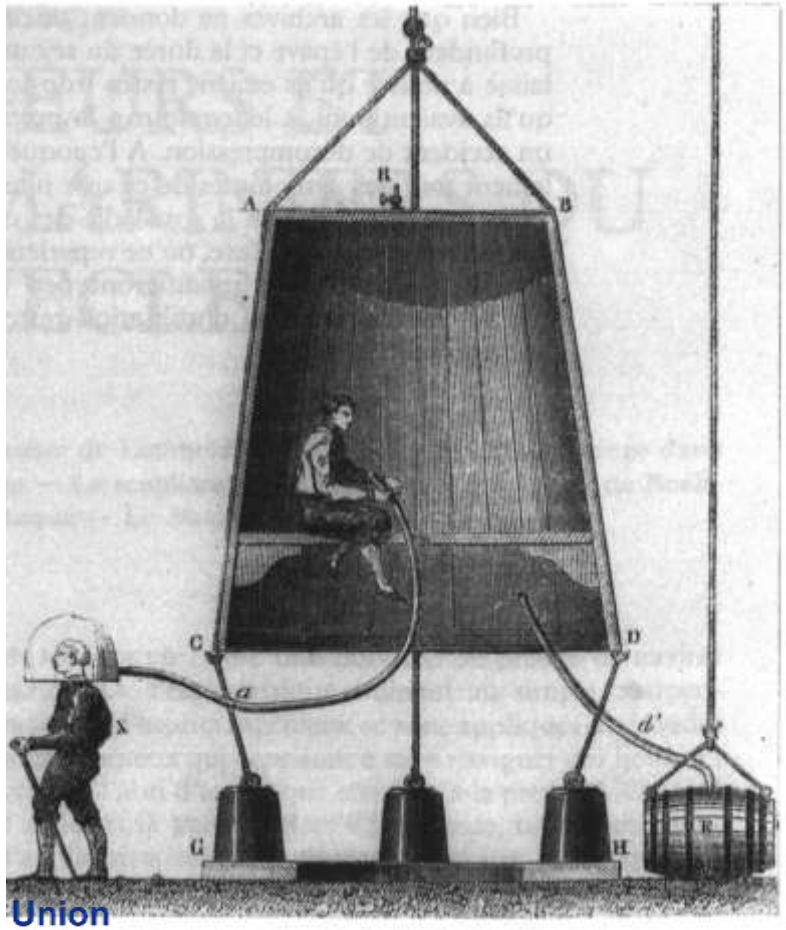
BREATHING UNDERWATER (3)





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BREATHING UNDERWATER (4)





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UNDERWATER COMMUNICATION

Commercial Diving





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- **Jacques Cousteau ve Emile Gagnan**

1943



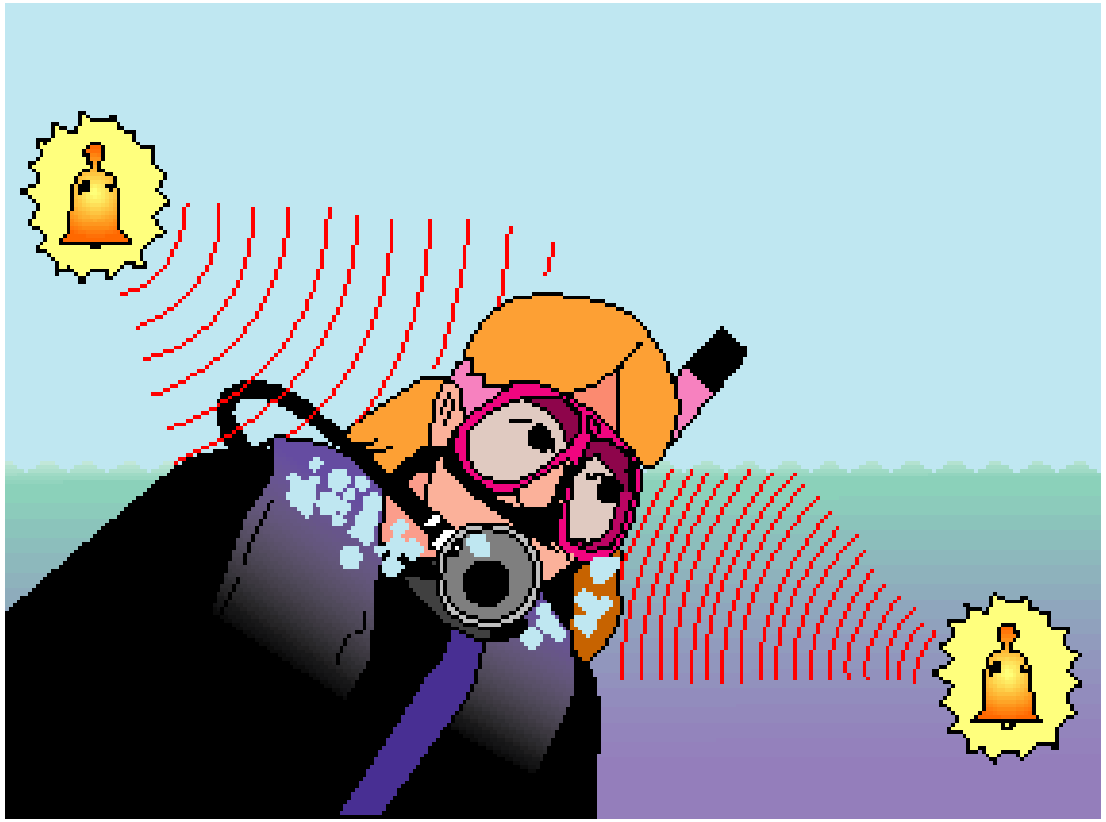
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QUESTIONS

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I CAN DIVE WITH MY TABLET



INNOVASUB

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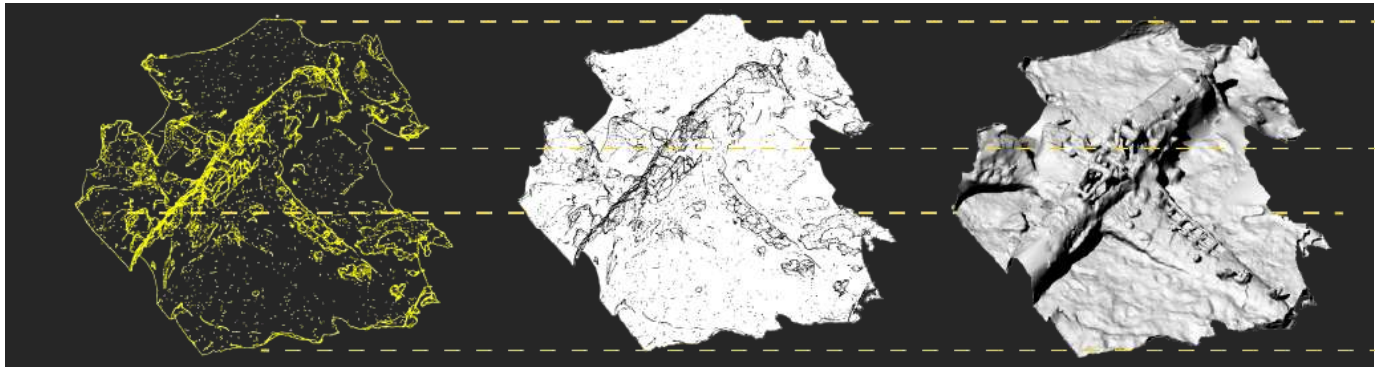
UNDERWATER COMMUNICATION

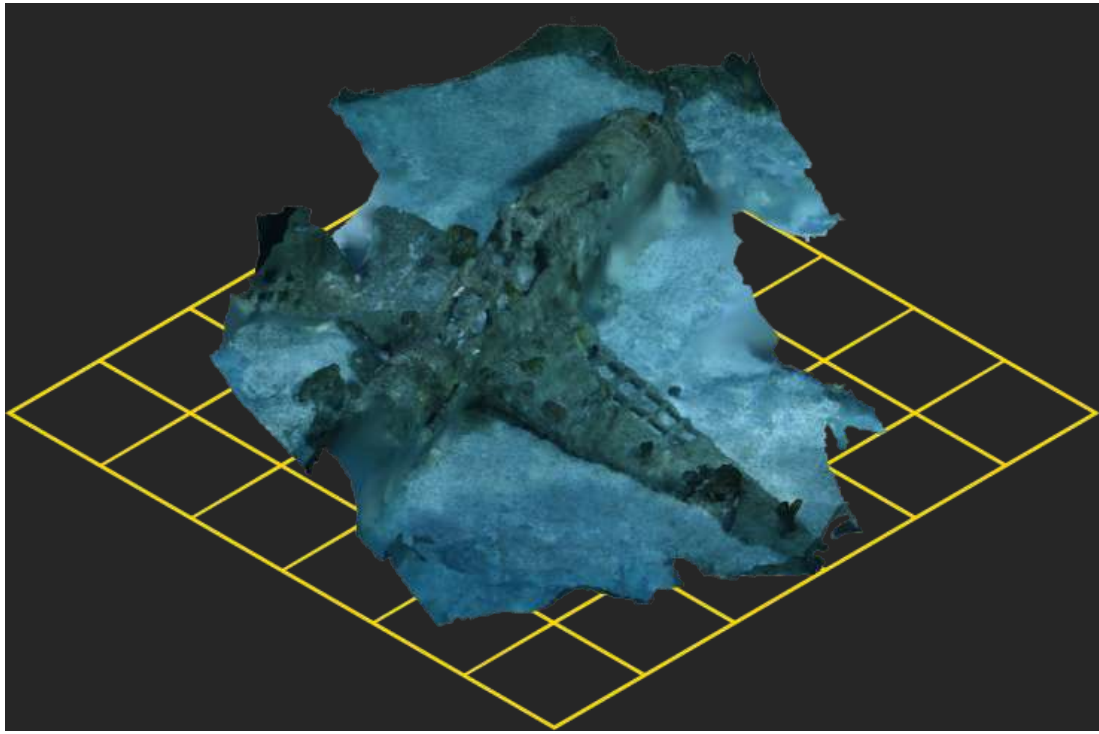




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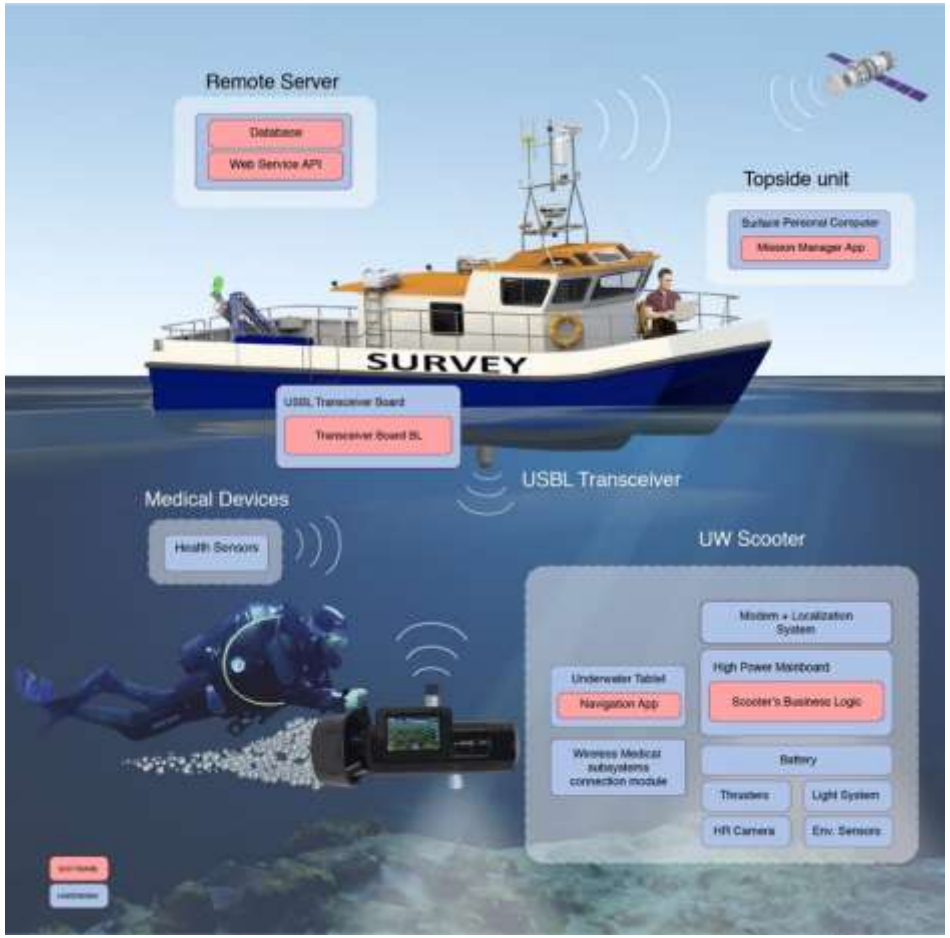
An **UNDERWATER SCOOTER** equipped with payloads and managed through an underwater tablet with a high-performance motherboard;

An **UNDERWATER TABLET** featuring applications and cameras for inspection, navigation, and mission planning;

A **DIVER POSITIONING SYSTEM** based on the USBL method;

Wearable **BREATHING, HEART RATE, AND GLUCOSE MONITORING** devices to track the diver's health;

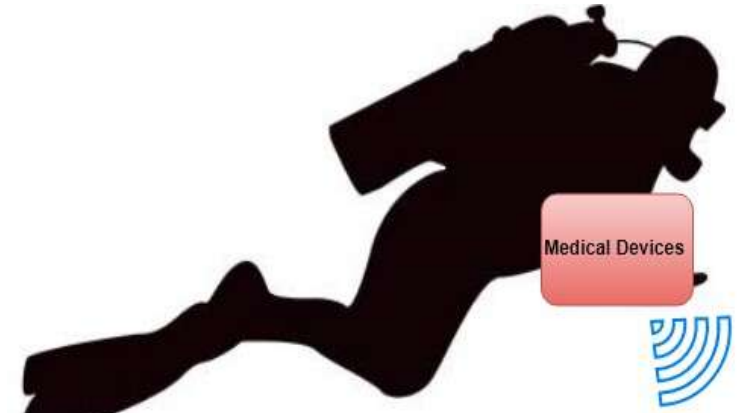
An **ACOUSTIC MODEM** supporting USBL positioning and communication channels to transmit location and diver health data to the surface.

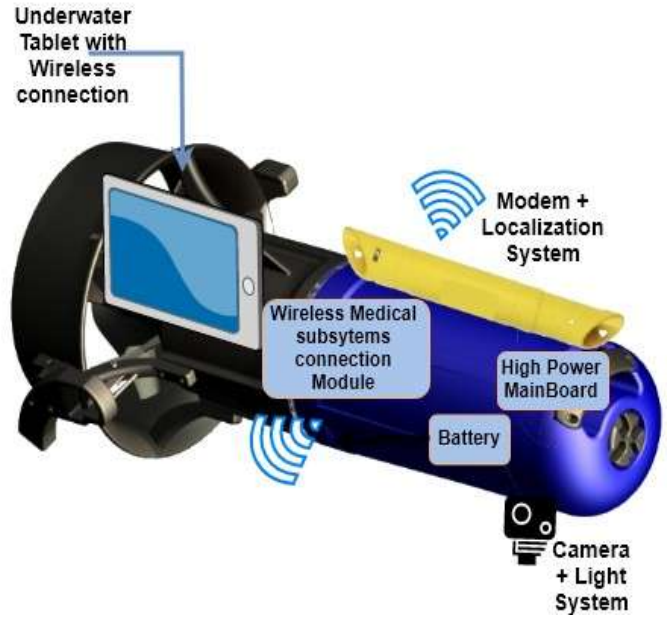


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Thank you!

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