

WHEN SCIENTISTS GO UNDER THE WATER
BİLİM İNSANLARI SUYUN ALTINA İNDİĞİNDE

MOVING FAST AND SAFELY UNDERWATER

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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 kamplerden 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?
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ROBOTLAR
SENİ ÇAĞIRIYOR!
28 Eylül Cumartesi
13:30 - 18:00
Bu etkinlik, Boğaziçi Sualtı Araştırma Merkezi (DURC) tarafından sağlanan üç sualtı robotunun desteğiyle düzenlenecektir.
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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
Dr Tamer Öztiğit
Dr Teoman Naskali
Res. Asst. Eda Bahar
Eng. Burak Tekdamar

MOVING FAST AND SAFELY UNDERWATER



1. Sailfish
(*Istiophorus platypterus*)

110 km/h

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2. Striped Marlin (Kajikia audax)
80 km/h

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3. Wahoo Fish
(Acanthocybium solandri)
78 km/h

Denizlerin En Hızlı İlk 10 Balığı | TÜBİTAK Bilim Genç

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MOVING FAST AND SAFELY UNDERWATER



Cheetah
108 km/h
120 km/h

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MOVING FAST AND SAFELY UNDERWATER



2 km/h

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MOVING FAST AND SAFELY UNDERWATER

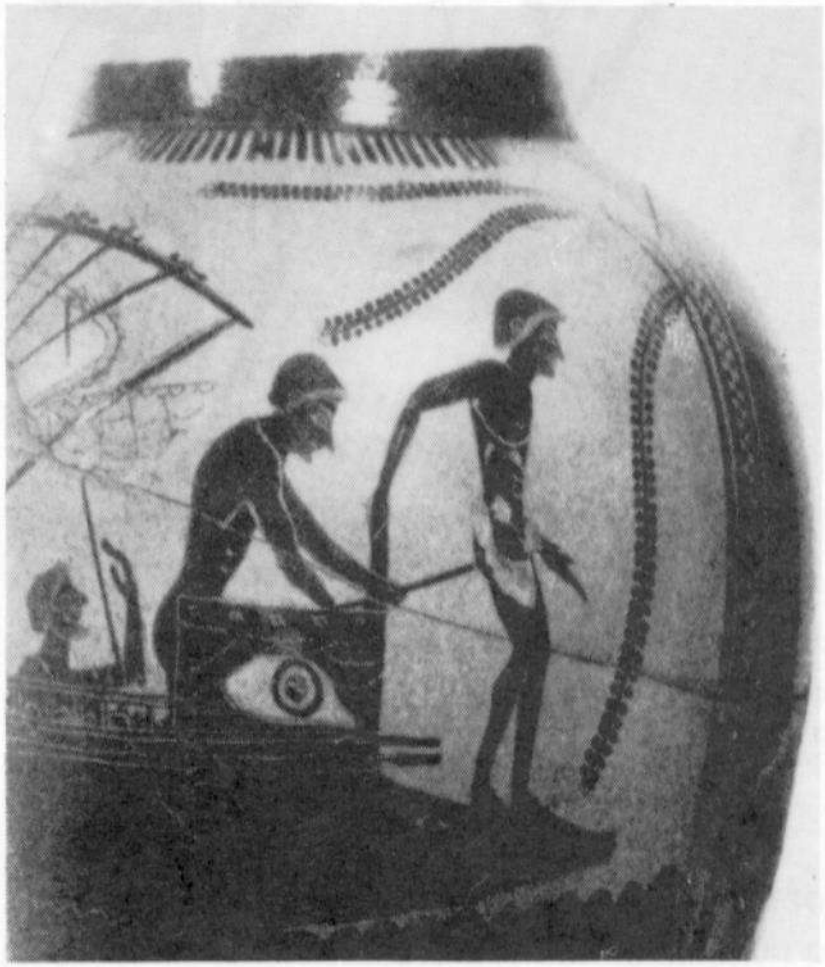
- **SELF**
- **CONTAINED**
- **UNDERWATER**
- **BREATHING**
- **APPARATUS**

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MOVING FAST AND SAFELY UNDERWATER

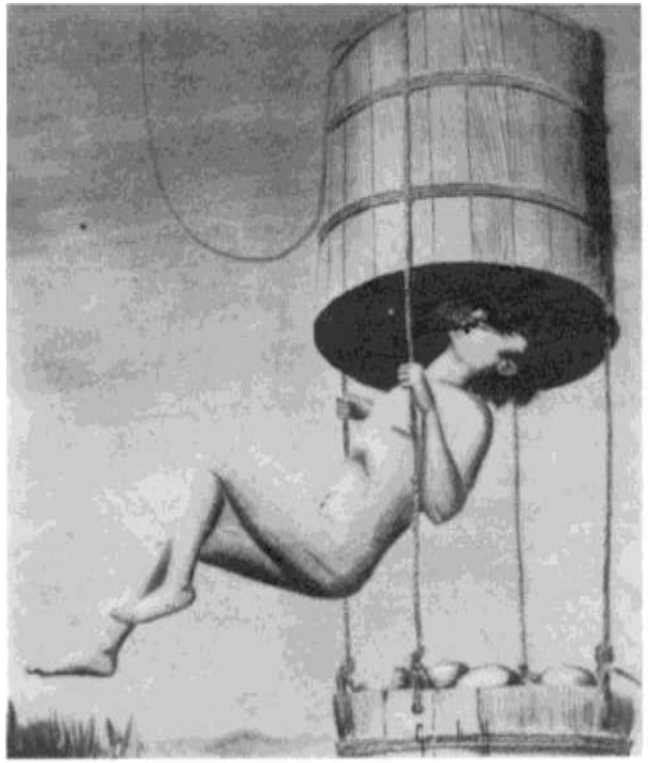
BREATHING UNDERWATER (1)





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BREATHING UNDERWATER (2)





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MOVING FAST AND SAFELY UNDERWATER

BREATHING UNDERWATER (3)

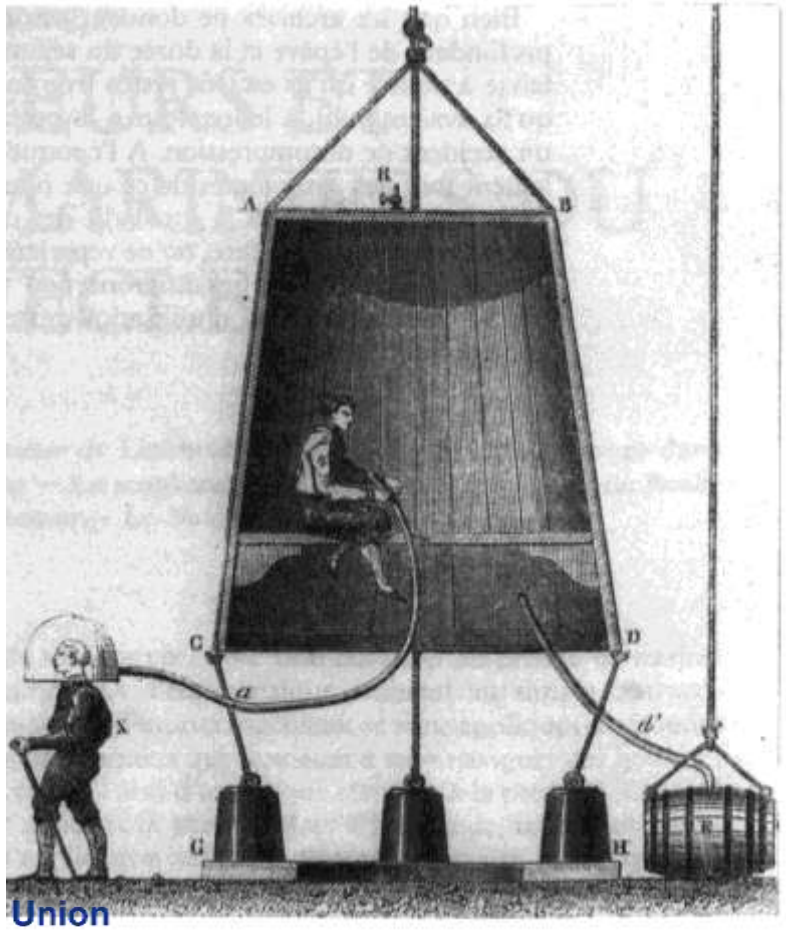




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BREATHING UNDERWATER(4)





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Commercial Diving





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MOVING FAST AND SAFELY UNDERWATER

- **Jacques Cousteau ve Emile Gagnan**

1943



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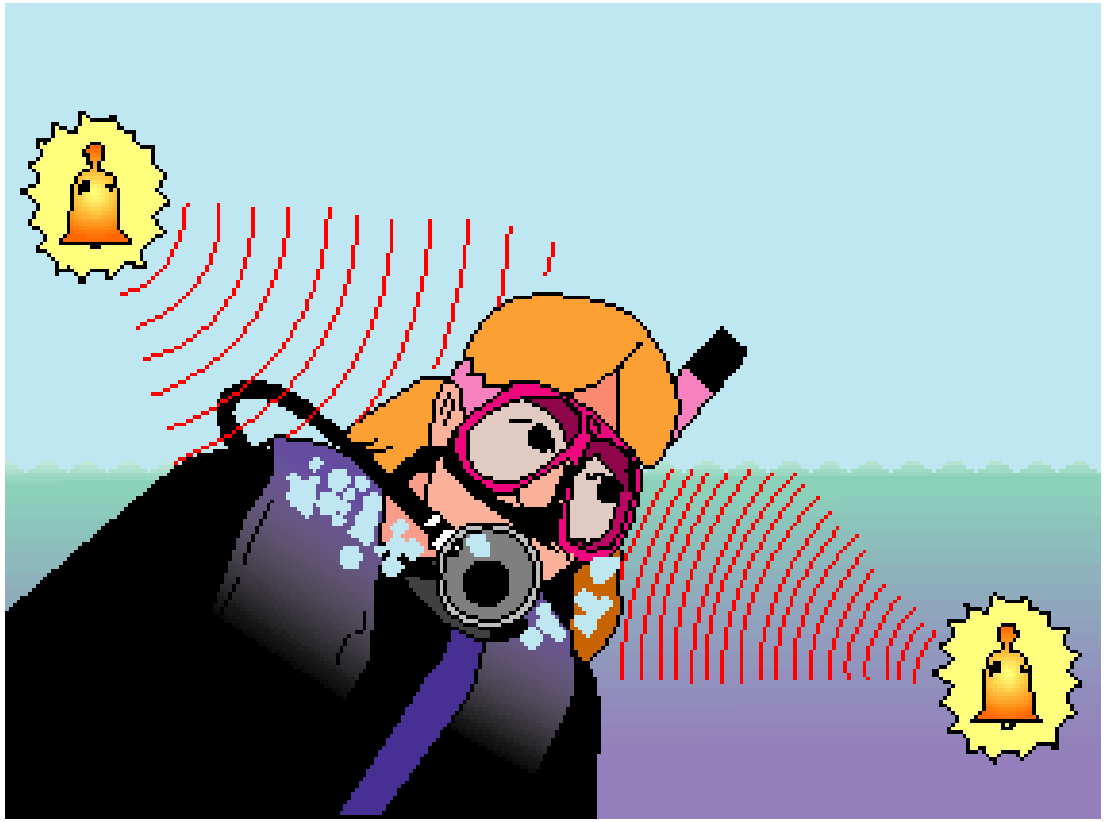
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QUESTIONS

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UNDERWATER COMMUNICATION



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UNDERWATER COMMUNICATION





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I CAN DIVE WITH MY TABLET



INNOVASUB

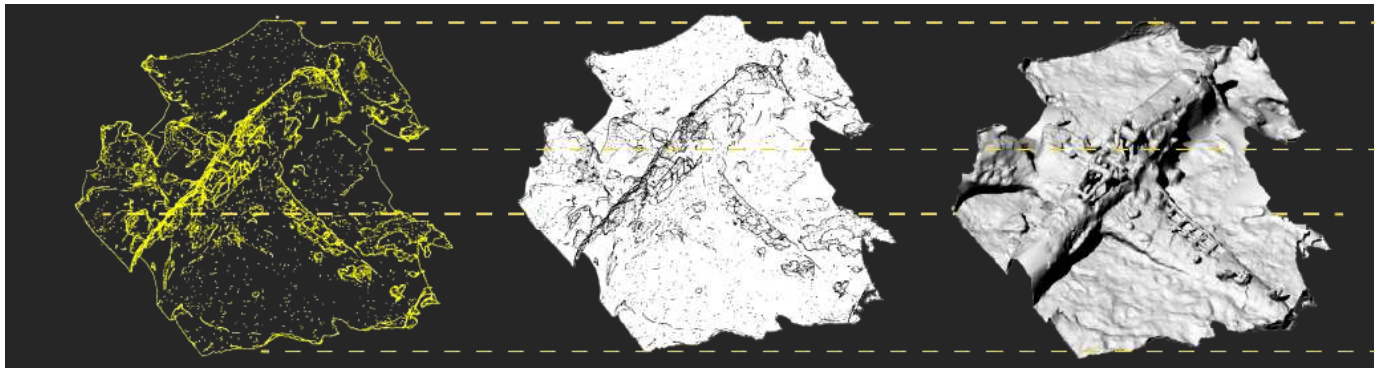
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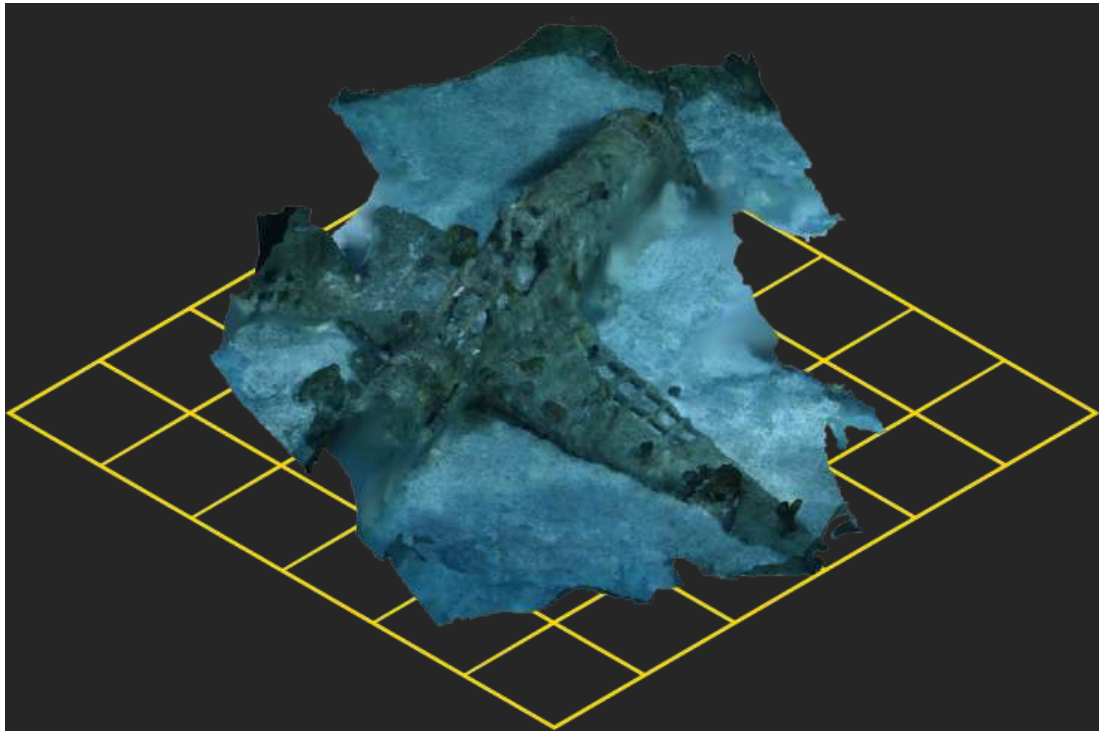




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UNDERWATER COMMUNICATION





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MOVING FAST AND SAFELY UNDERWATER

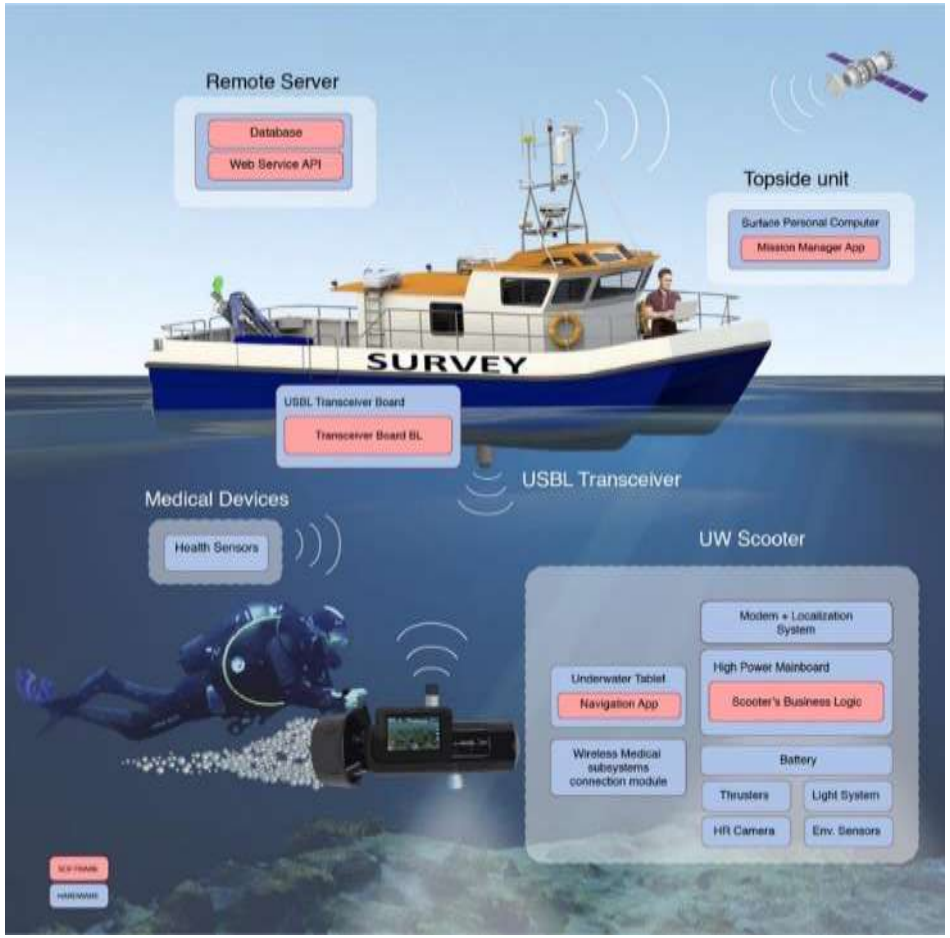
An **UNDERWATER SCOOTER** equipped with payloads and managed through an underwater tablet with a high-performance motherboard;

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;

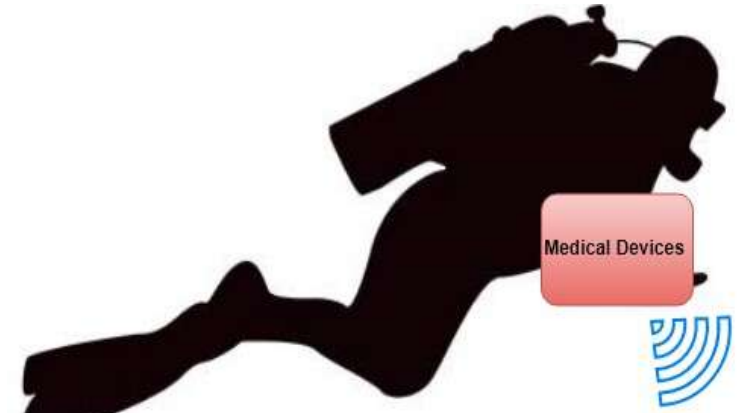
An **ACOUSTIC MODEM** supporting USBL positioning and communication channels to transmit location and diver health data to the surface.

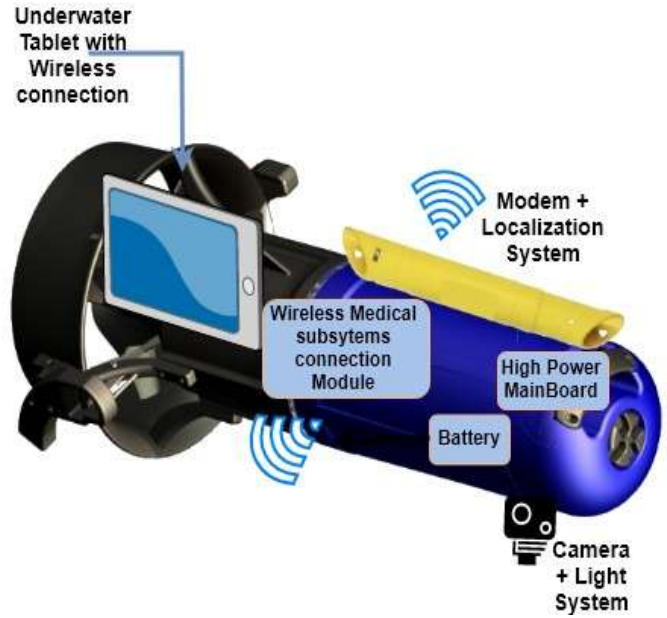


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