

# ARKEOCEAN

The future of underwater exploration



ARKEOCEAN OPEN

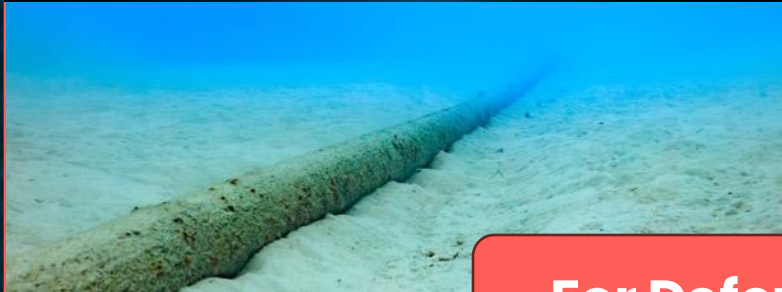


We are convinced  
that swarms of  
underwater drones  
are the future of  
ocean exploration.





# With swarms of drones we can...



## Today:

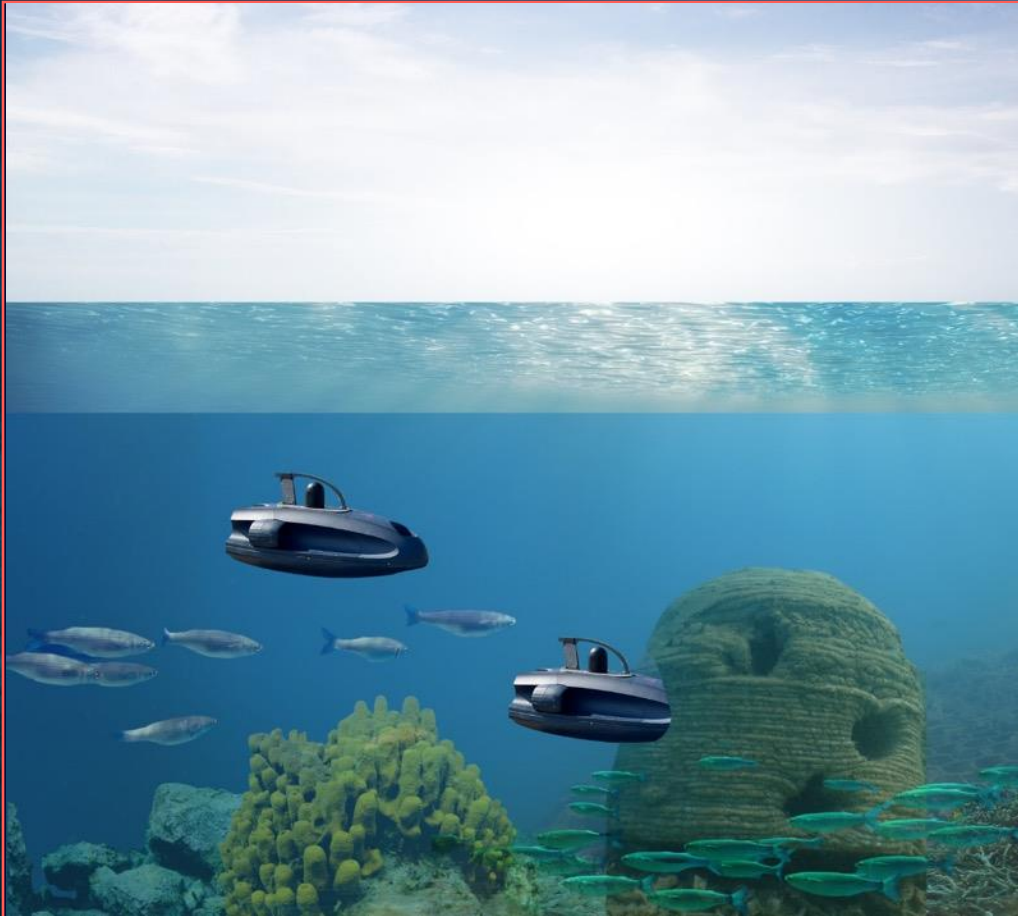
- Massively acquire 3D data on a large scale
- Proactively monitor marine reserves & biodiversity
- Discreetly secure underwater areas and assets

## Tomorrow:

- Design system for complex data acquisition and fusion
- Creating underwater networks to connect all objects with each other in a swarm

**For Defense, Energy and the Environment**

# The benefits of Swarm Systems



- Exploring large areas all at once
- Nearly undetectable
- Redundancy – reliability
- More knowledge at once – simultaneous 3D situational awareness of the entire water column
- Lower operational costs and more efficient
- Environmentally friendlier: Reduce the environmental impact of energy acquisition surveys by -50% and the cost of operations by -30% (\*)

**Making ocean exploration more affordable through scalability and innovation**



# Our solutions today



We offer turnkey swarm systems of micro-drones:

- That explore in the water column
- That explore from the seabed

Including the logistics:

- Launch / recovery
- Mission management
- Charging
- Data retrieval, aggregation and analysis

# Swarm system pioneers, testing at sea since 2015



2015



2020

WORLD  
RECORD



2022



2023



2024

**In 2020, we executed a coordinated mission at sea with 200 drones**



# What sets us apart – thinking differently is in our DNA

Our **SEAKER** is the key to creating swarms, it's an Ultra Short Baseline (USBL) acoustic antenna used for precise underwater positioning, guidance, communication and swarm collaboration of drones.



# Key contracts are accelerating our growth



A swarm system comprised of multiple thousands of micro-drones.

A deep swarm navigation system for an unlimited number of micro-drones as part of the France 2030 initiative (up to 3000m).

A swarm system that will proactively monitor marine reserves using artificial reefs to regenerate biodiversity.



# MEET ARKEOCEAN

Swarms of Autonomous Underwater Vehicles (AUVs) are the future of ocean exploration



Energy



Defense



Environment



**2023**  
FRENCH NAVY  
PERSEUS LABEL  
Orion Exercise



**2022**  
INNOVATION AWARDS  
Euronaval and i-  
Naval

~WORLD RECORD  
**200**  
AUVs IN A  
coordinated mission

## Our Regions:

GICAN





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**Thank You**



**The future of underwater exploration**

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