

A zero-emission, smart, and stable platform
to increase our understanding of the ocean space

for Ocean Resource Assessment and Characterization of Life in the Environment

BLUE ORACLE PROJECT

OBJECTIVE

Demonstrate the feasibility - due to an innovative buoy architecture - to combine logistics and means of measurement during ocean data campaigns for the characterization of resources and aerial and underwater biodiversity.

PARTNERSHIPS



Project management, buoy design and fabrication oversight, operations at sea



Project direction guidance



Scientific expertise in marine ecology - life cycle, connectivity and population dynamics



Intervention and instrumentation of marine biodiversity monitoring



Aerial wildlife data acquisition & scientific expertise



Design of renewable power production system, instruments integration and SCADA, control, AI

ADVISORY PANEL



Experimental fishing techniques



Marine biodiversity



Offshore project developer



Active acoustics for underwater monitoring



Bioacoustics



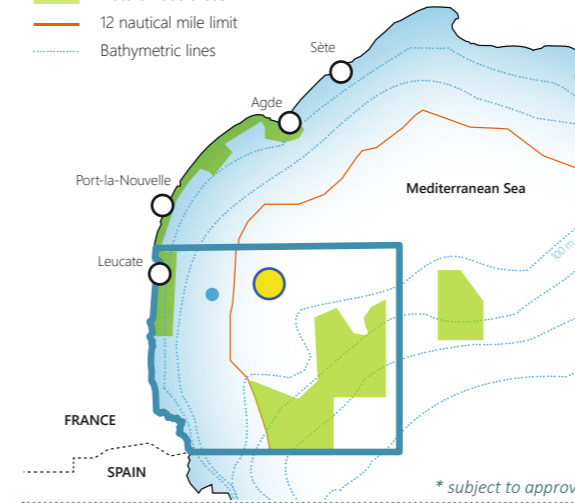
FLIDAR performance validation

Project supported by ADEME in the framework of the AAPDTIGA

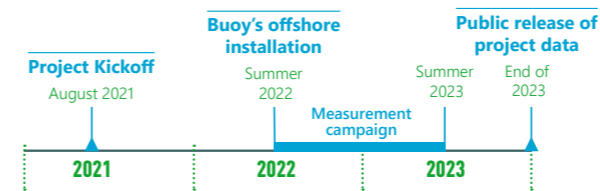


- BLUE ORACLE
- Buoy BoB
- ▭ Gulf of Lion's Natural Marine Park
- ▭ Natura 2000 areas
- 12 nautical mile limit
- ⋯ Bathymetric lines

LOCATION *



KEY DATES



Graphic design www.kishiz.com



BLUE ORACLE

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Buoy with Lidar and Underwater Equipment

OBJECTIVE

OF THE BLUE ORACLE PROJECT

In partnership with ADEME, OCG-Data first unit will provide the validation framework for the BLUE ORACLE project's key objectives:



Improve the standards of aerial and underwater resources and biodiversity characterization



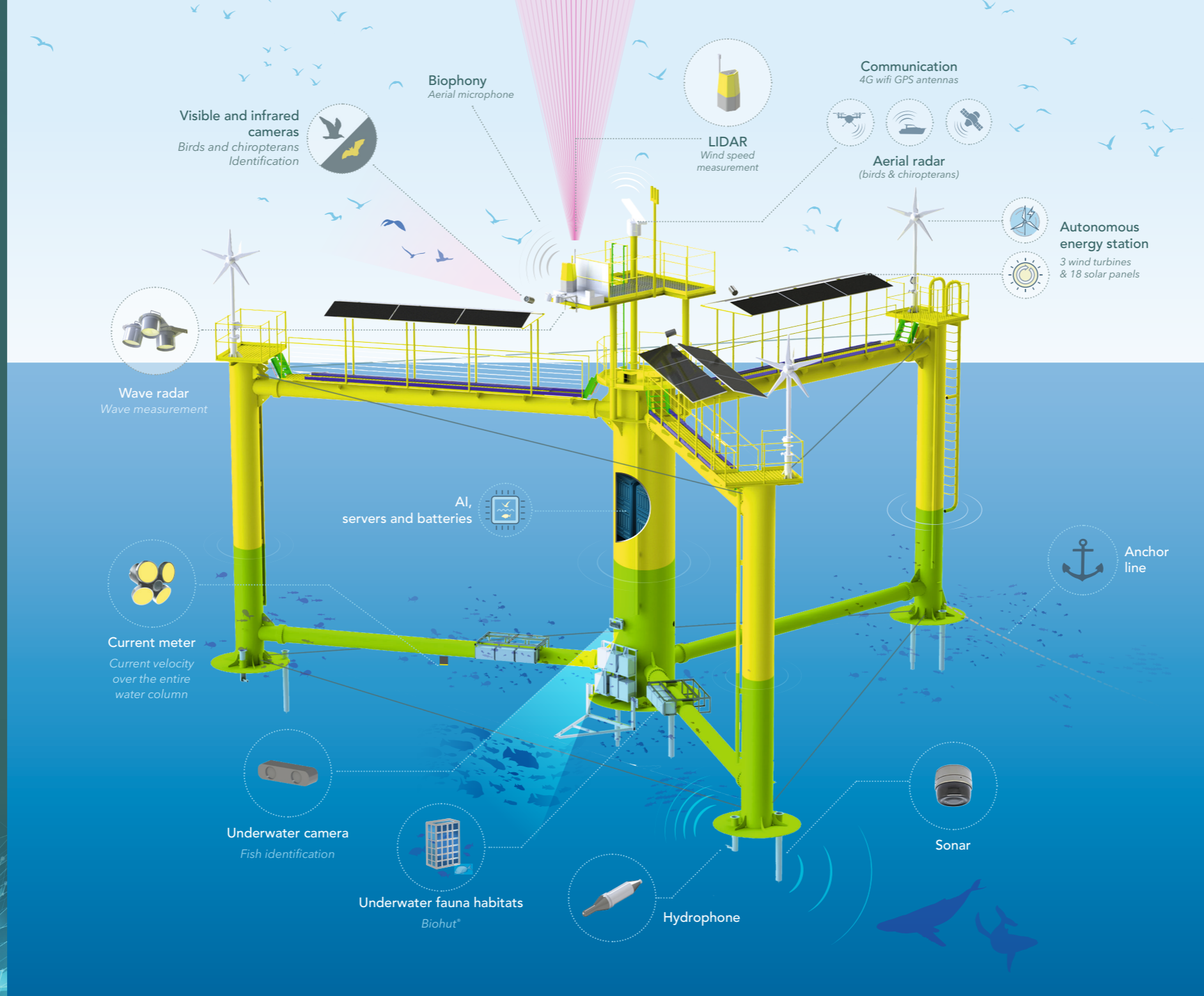
Accelerate the understanding, protection and rehabilitation of ecosystems while supporting synergies and acceptability among marine stakeholders



Combine logistics and data acquisition systems at sea in a single autonomous tool



Use the power of AI to improve species recognition algorithms and facilitate data dissemination



APPLICATIONS

OPEN PLATFORM

For metocean and ocean resources data acquisition including underwater and aerial biodiversity:



Improve our **understanding** ocean resources



Enhance ocean **sharing** between stakeholders



Utilize the oceans in more sustainable ways



Stimulate and increase biodiversity



Monitor marine areas