



REGENERATING MARINE HABITATS

with EcoMooring



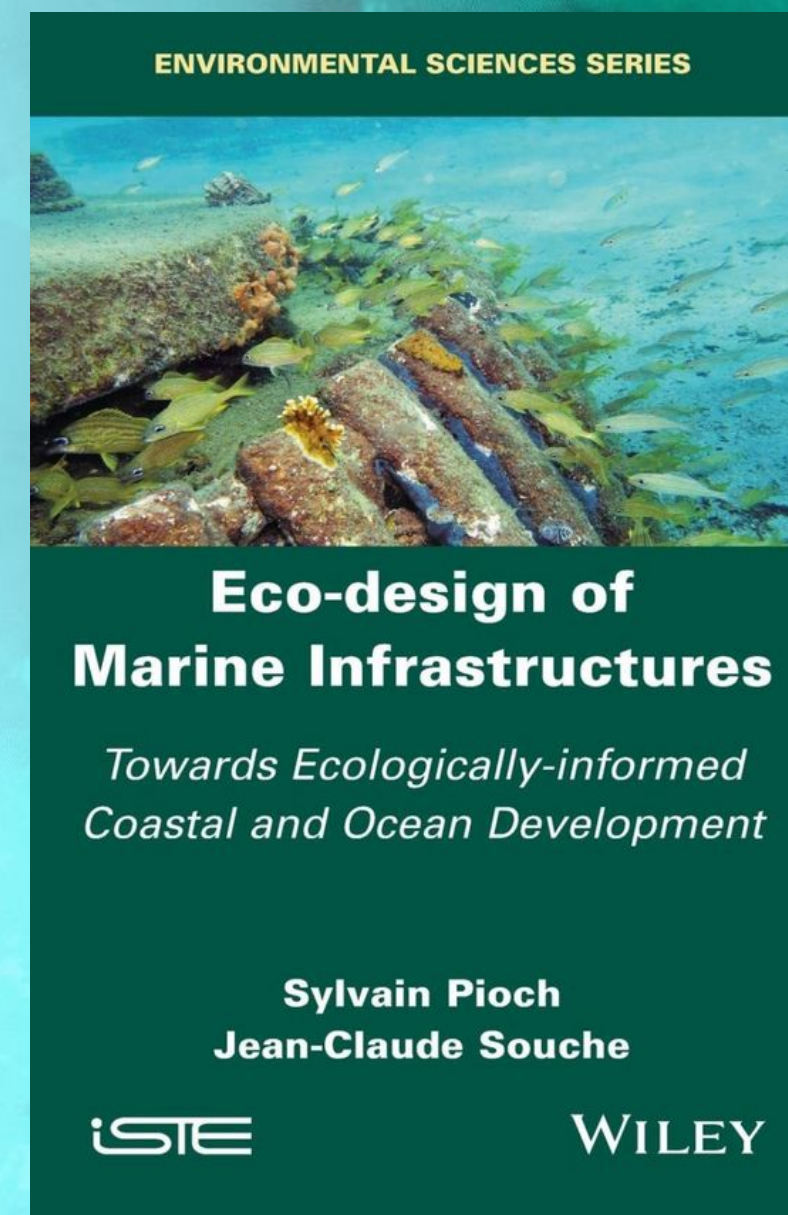
ANCHORS DAMAGE MARINE HABITATS

ECOANCHORS

Our eco-friendly technical solution meets modern underwater structure requirements.

Our designs are durable and integrate seamlessly with the underwater environment, mimicking local habitats to encourage species colonization.

We avoid using polluting materials like plastics, cathodic protection, and galvanization in our eco-designed structures.



SMART MOORING BUOYS

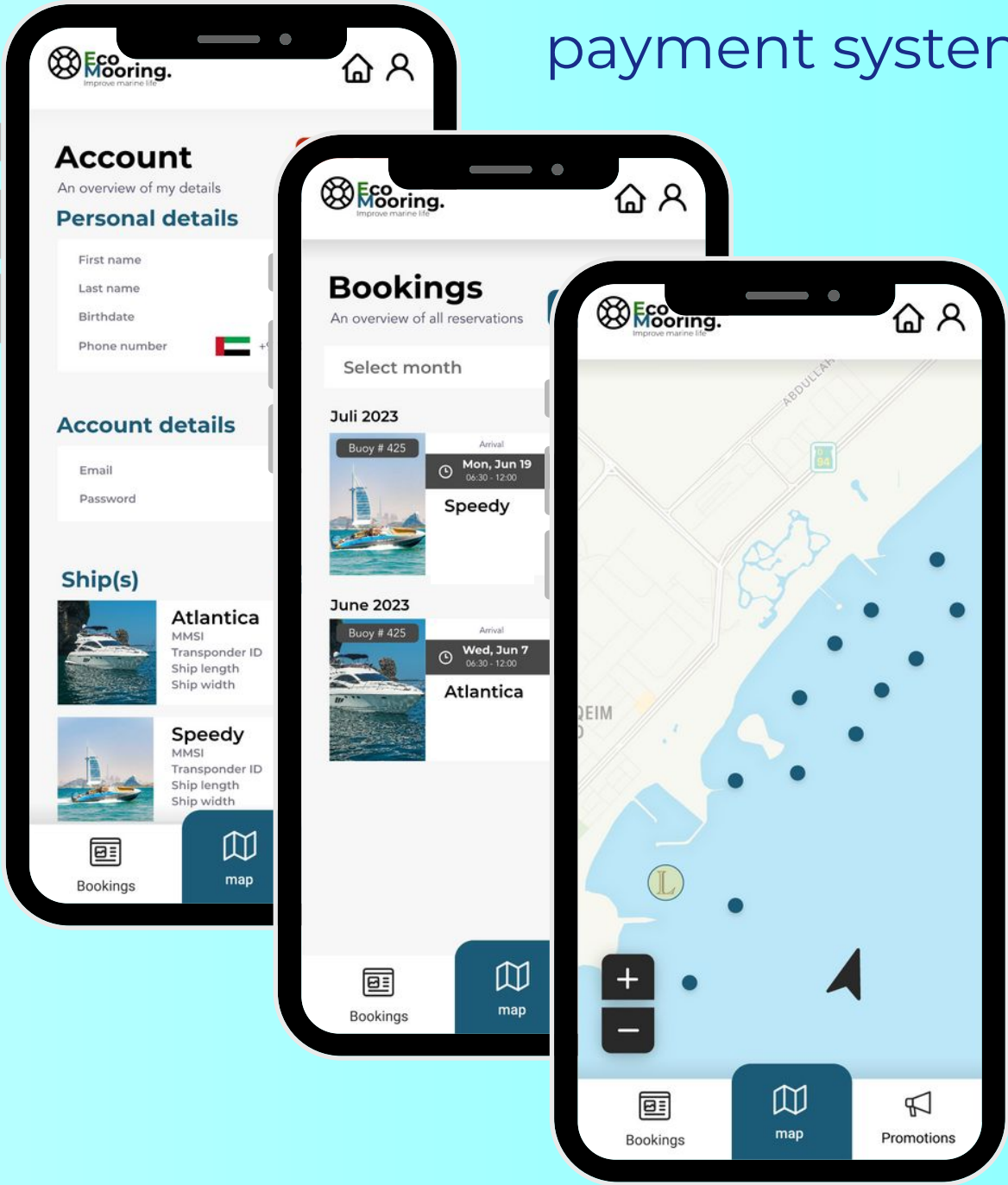


Mooring Buoy



Rigid mooring line
with no surface drag

App-based
reservation &
payment system

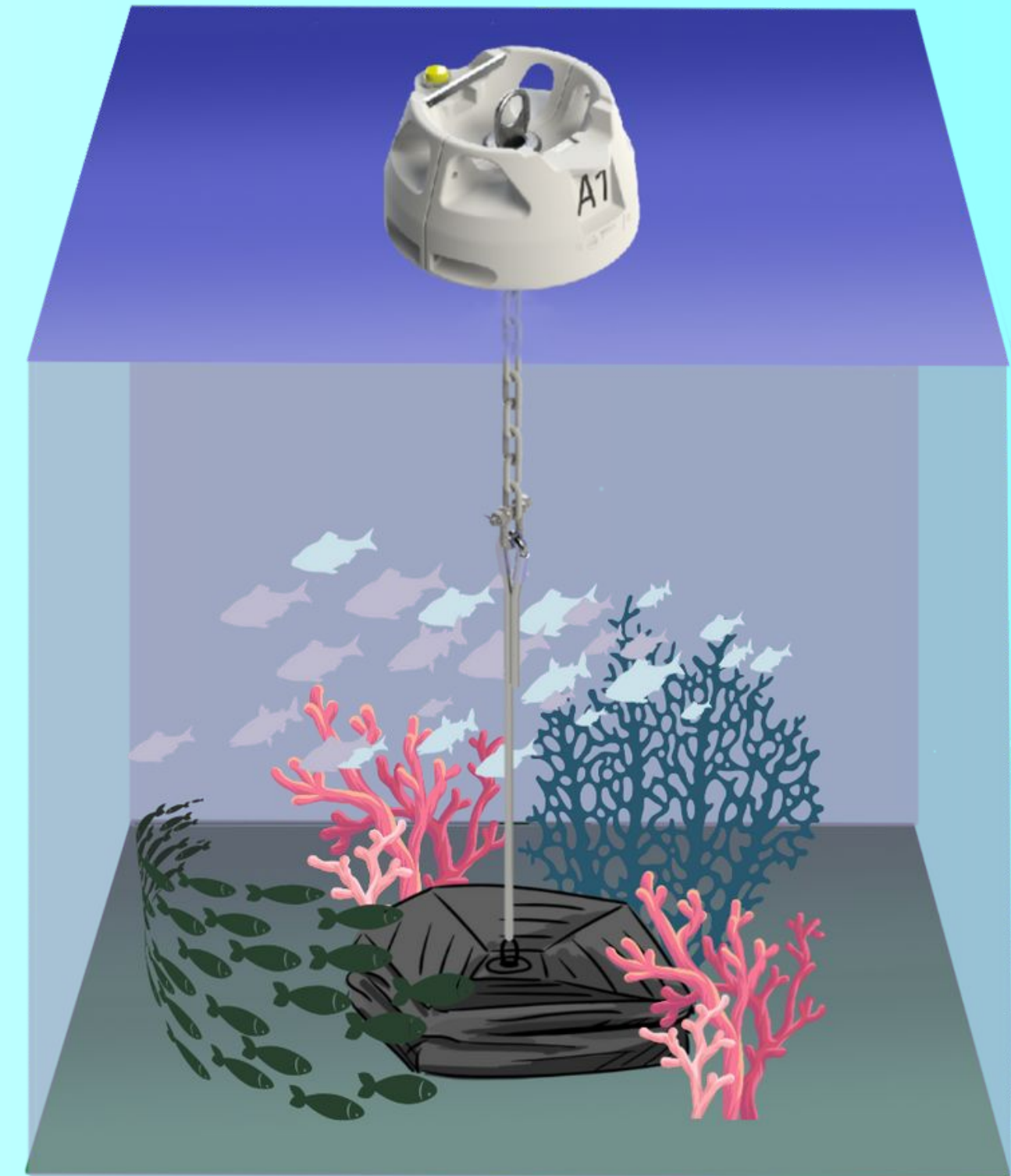


MARINE HABITAT REGENERATION

EcoMooring buoys foster a safe habitat conducive to the thriving of marine ecosystems.

Solid mooring lines safeguard the ocean floor from the harm caused by anchors.

EcoAnchors serve as refuges for marine life and establish a foundation for the growth of fauna.



BLUE CARBON

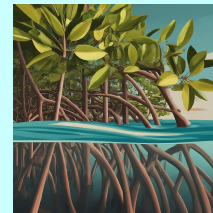
Blue carbon ecosystems are among the most productive in the world.

It is referred to as "blue carbon" because it is located in places where the land meets the sea.

Blue carbon ecosystems also provide other benefits besides carbon sequestration:

- Buffer coastal protection against severe storms
- Absorb excess floodwaters
- Protect surrounding marine habitat area to advance

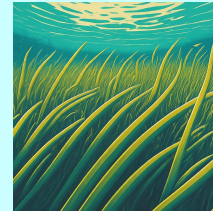
Carbon Sequestration Rate (gC m² yr⁻¹)*



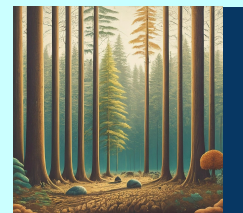
Mangroves: 226



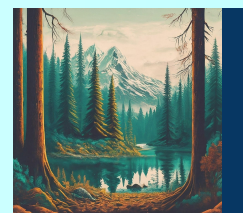
Salt Marshes: 218



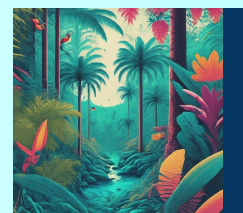
Seagrass: 138



Temperate Forest: 5.1



Boreal Forest: 4.6



Tropical Forest: 4.0

*Mean long-term rates of carbon sequestration (g C m² yr⁻¹) in soils in terrestrial forests and sediments in vegetated coastal ecosystems. In terrestrial ecosystems, mass of carbon per unit area per year (g C m² yr⁻¹) is most often used as the unit of measurement. Carbon sequestration rates have a standard error of the mean.

Source: McLeod et al. (2011)

DATA BUOYS

Each mooring area has at least one data buoy to measure and quantify its environmental impact:

- Evolution of biodiversity
- CO2 capture
- Specific water quality measurements



THE CRITICAL ROLE OF CO₂ MEASUREMENTS AT SEA

- **Climate Insight:** Essential for understanding climate change, ocean acidification, and global carbon cycling.
- **Ocean Health:** Helps assess acidification impact on marine ecosystems and biodiversity.
- **Carbon Sequestration:** Evaluates oceans' role in capturing atmospheric CO₂, aiding climate mitigation.
- **Exchange Dynamics:** Provides insights into CO₂ exchanges between oceans and atmosphere, enhancing climate models.
- **Ecosystem Impacts:** Influences on marine productivity, species distribution, and nutrient cycles.

Accurate sea CO₂ monitoring is vital for marine conservation and informing global climate strategies.

DELIVERING INNOVATIVE FLOATING INFRASTRUCTURE SINCE 1996



For more than 25 years, in partnership with Mobilis, the PROSS team has been at the forefront of developing floating infrastructure solutions worldwide.

Our expertise is extensive, encompassing projects such as data buoys for environmental monitoring, advanced systems for tsunami detection, channel marking signals, navigational aids, and mooring structures designed for heavy loads.

Our products incorporate the latest technological advancements to fulfill future requirements.

This adaptability and dedication to providing tailored solutions highlight PROSS's extensive and specialized knowledge in the field of maritime infrastructure.



International Partners



PROJECT EXAMPLE

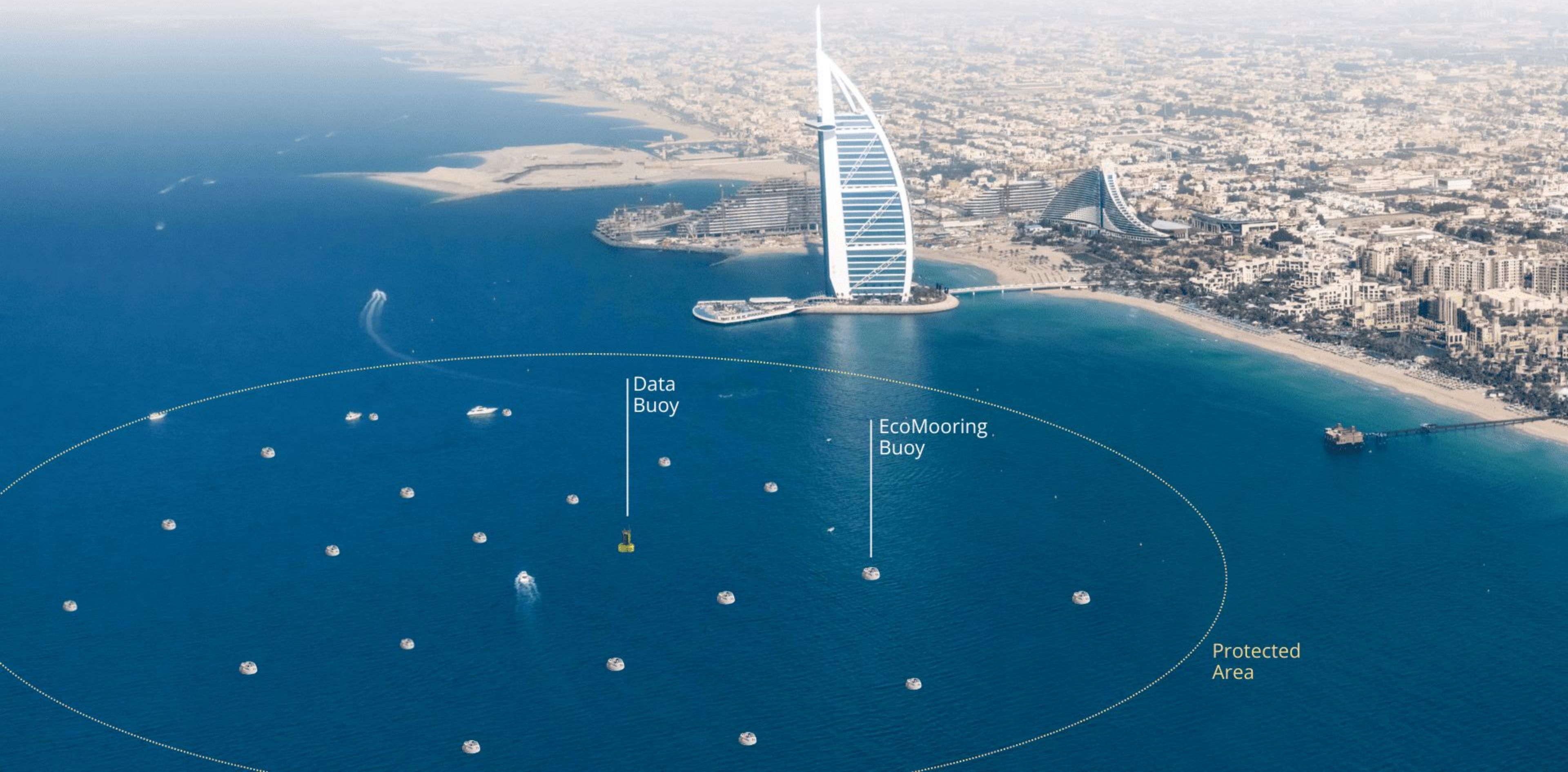


Data Buoy

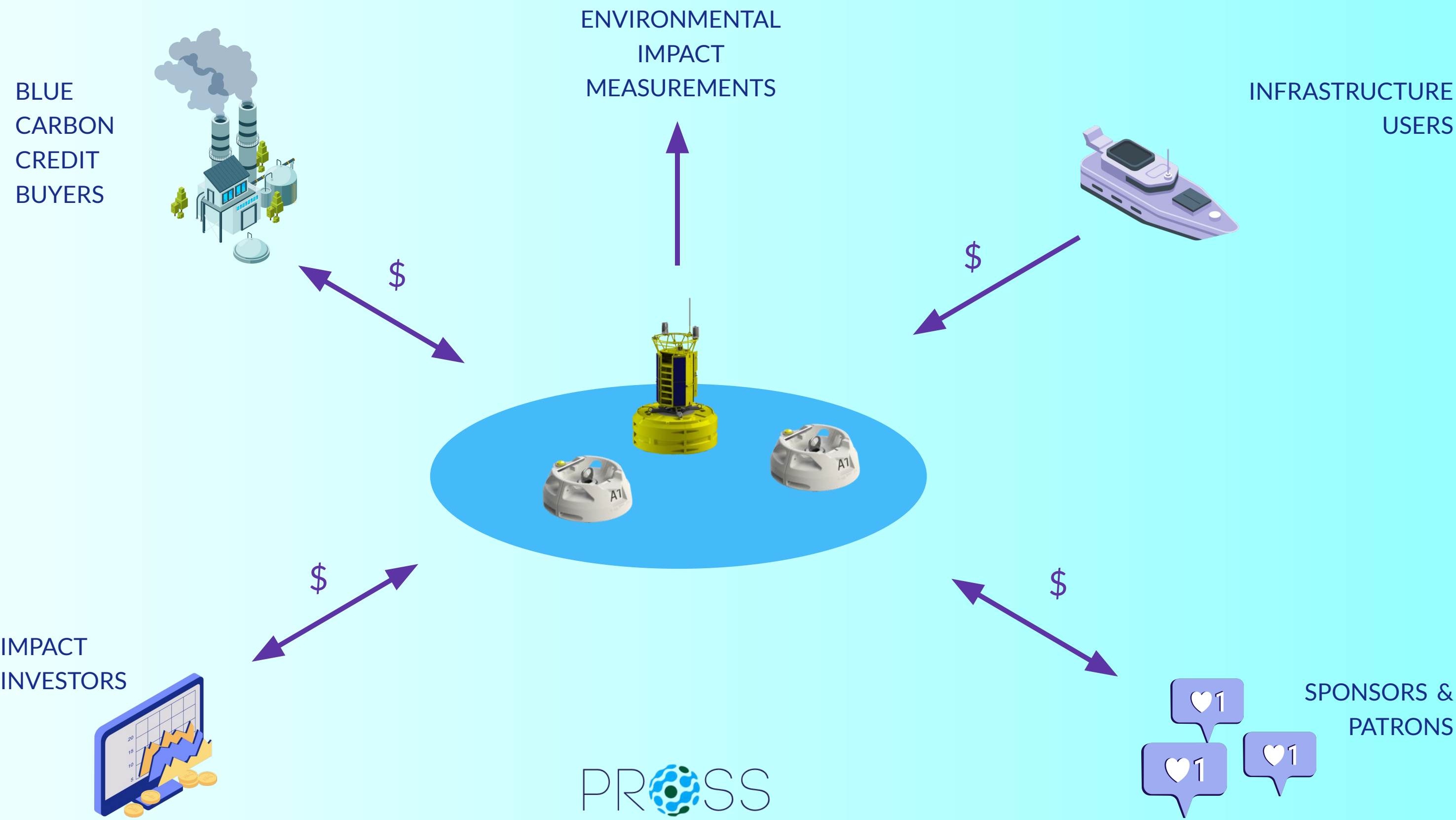
Protected Area

EcoMooring Buoy

PROJECT EXAMPLE



FINANCIALLY SUSTAINABLE



THANK YOU!

For more information, please
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PROSS