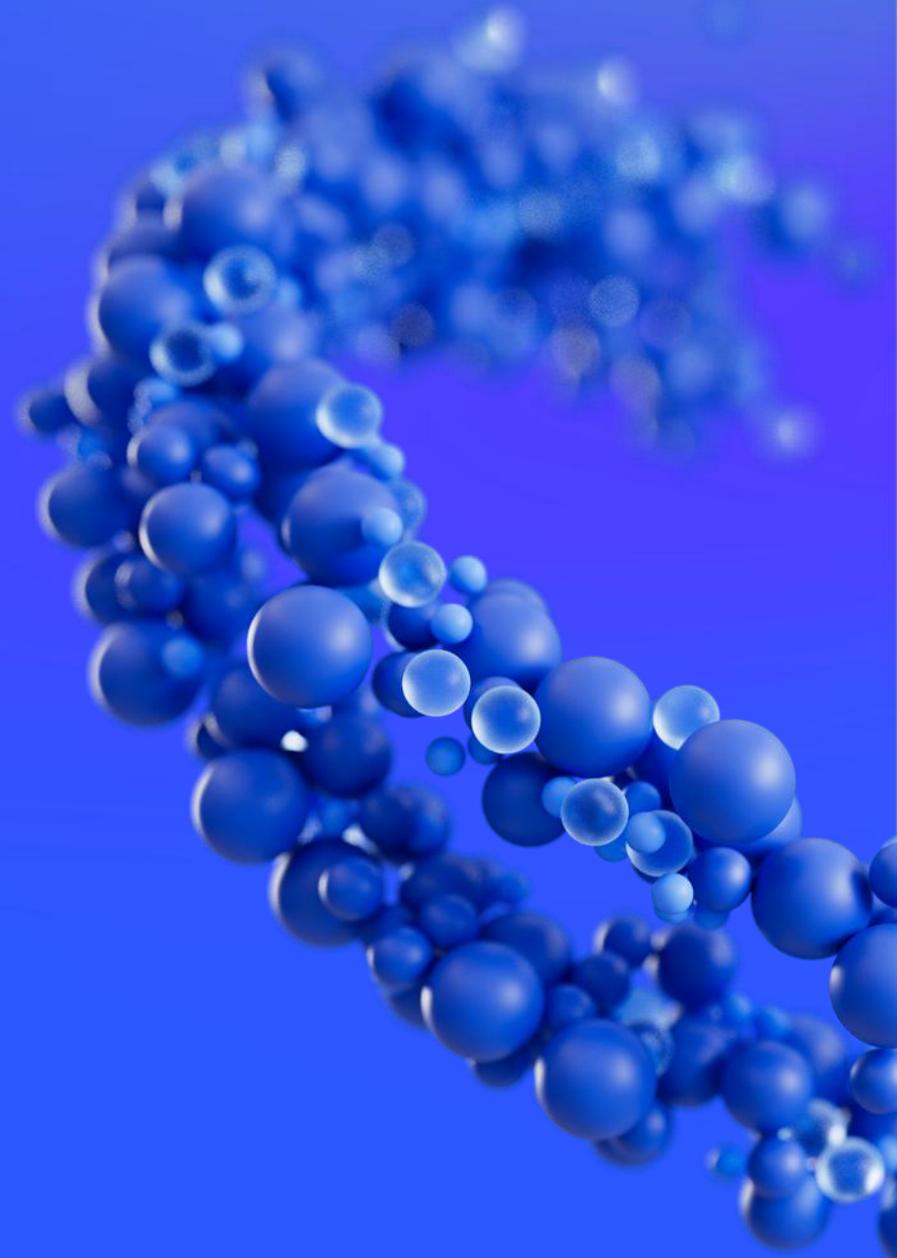


Marine Sustainability in Action

IoT, 5G, and Aquatic drones
tackling waste and microplastics

Ready for Next



Our Speakers



Ana Belén Pociña

Head of ESG Customer and Business Dev.



Kallitsa Savvidou

Head of New Business IoT



Jorge Marcos Martínez

Head of Opentop



Plastics account for between 60% and 80% of all marine litter

1x4m²

The average density of floating plastics in the Mediterranean is estimated at 1 fragment for every 4 m² of surface



Spain has almost over 8.000 km of coastline



Tourism

97M

International tourists

€135Bn

In spending

2.75M

Tourism jobs

Fishing

838K

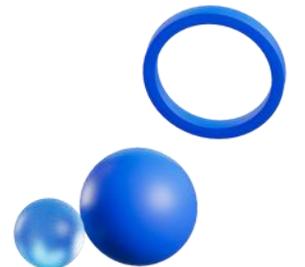
Marine catches

53.8K

Fishing & aquaculture workers (Q1 2025)

250K+

Port-related jobs



Spain reaches 22.5% of protected marine surface



Posidonia

Waste and microplastics
become trapped



Brown Algae

Water eutrophication
endangers its survival



Zostera Noltii

Waste and plastics
alter their environment
and cause regression



Spain reaches 22.5% of protected marine surface



Loggerhead Turtle

It ingests plastics by mistaking them for jellyfish, causing fatal obstructions



Common Octopus

Its lifespan declines due to microplastics and low-oxygen eutrophied habitats



Nudibranquio

Pollution degrades its habitats and food sources, reducing its populations





Autonomous Navigation Leveraging 5G connectivity

Aquatic drones

Revolutionizing how we monitor, protect, and manage water resources



IoT, the technology that drives change

01

Multiparameter Probe

Real-time water quality monitoring: pH, dissolved oxygen, chlorophyll...

02

LiDAR or Laser Sensors

Helps the drone be aware of its surroundings and avoid obstacles.

03

Navigation Routes

Satellite imagery defines routes, the drone uses GPS and 5G.

Daily collection of

500kg

of waste



Microplastics are already present in almost all ecosystems

Food

Microplastics are reaching the food chain and affecting human health

10 - 40M

Each year, the environment receives between 10 to 40 million tones of microplastics

Threat

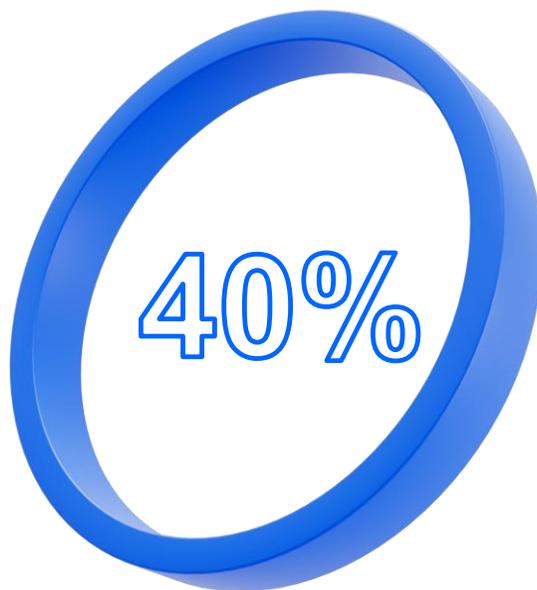
Microplastics have already been detected within the human body







**Containers
(TEU)**



**of Spain's maritime
import/export**



Emissions goal



A cluster of various blue 3D geometric shapes, including spheres, rings, and discs, arranged in a dynamic, overlapping pattern in the top right corner of the slide.

**Let's build the green
digitalization of the
future together**

