

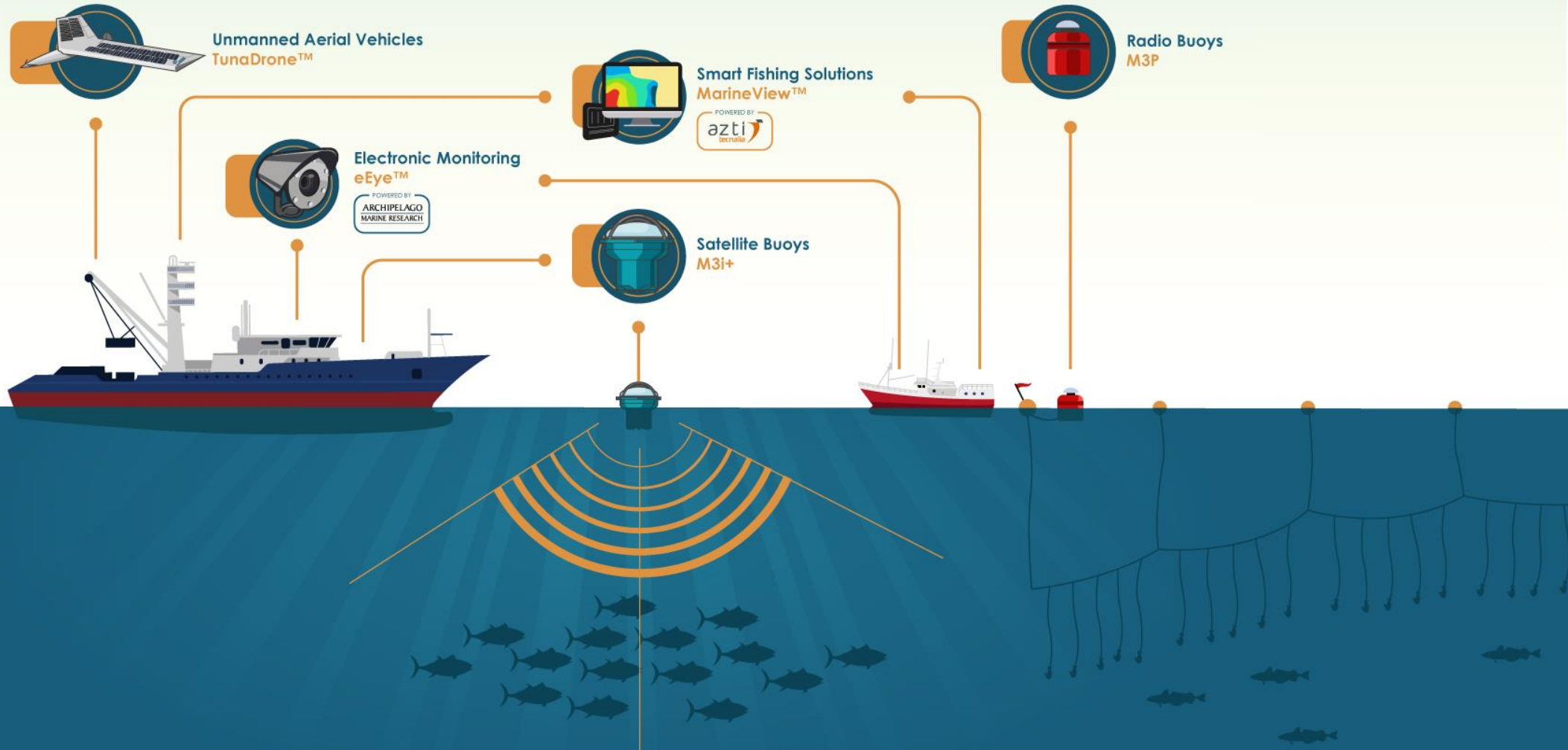
MONITORING SMALL SCALE FLEETS

Gabriel Gómez Celaya, Managing Director of Marine Instruments





OUR TECHNOLOGY





OUR TECHNOLOGY

Tracking and security system for artisanal fishing boats, composed of:



GPS :

Supervision of fishing areas and traceability



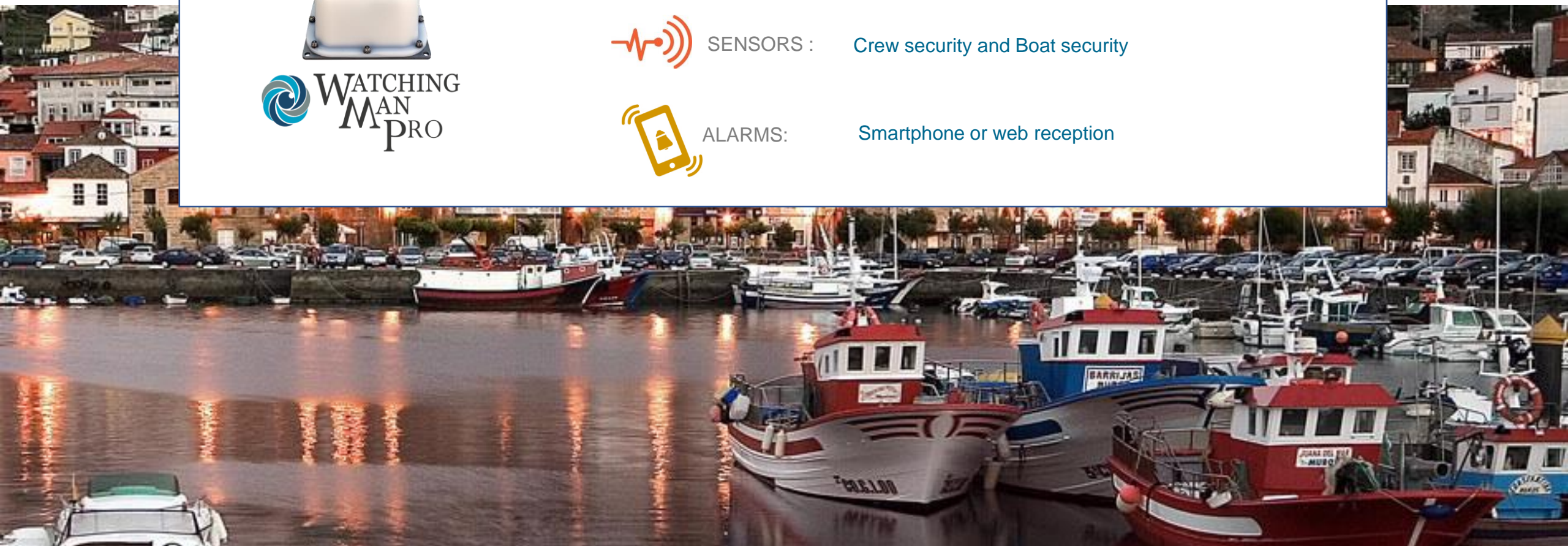
SENSORS :

Crew security and Boat security



ALARMS:

Smartphone or web reception





OUR TECHNOLOGY

Once the system is installed on board, you can:



Check the location of each boat



Check each route



Light and sound alarms for:



Check the time spent in each of the areas

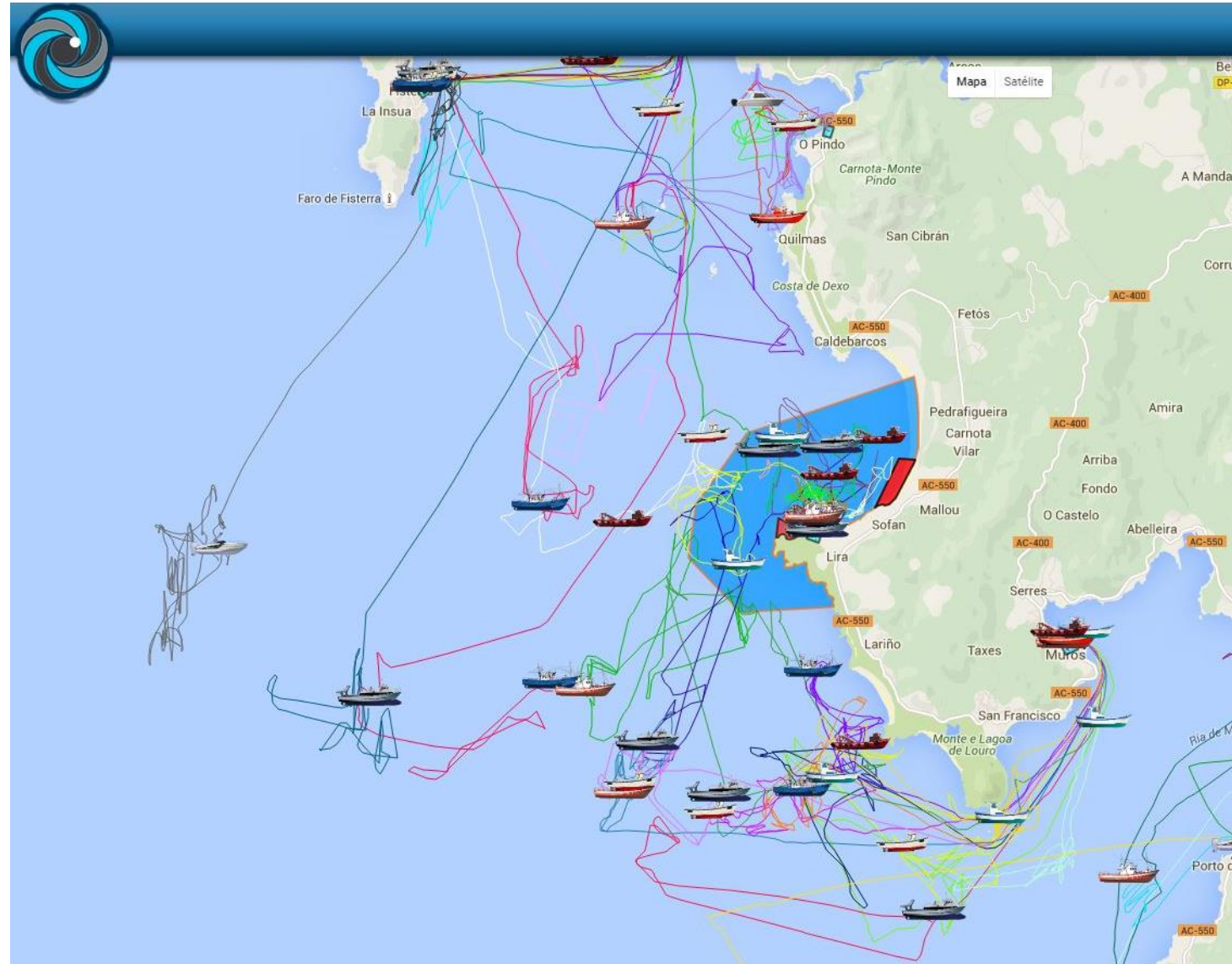
 Out of the restricted fishing area

 Inside the restricted fishing area

 Inside the banned fishing area



Possibility to add sensors for extra features





SUCCESS STORY

AREA



MARINE RESERVE
"OS MIÑARZOS", GALICIA

TYPE OF VESSELS



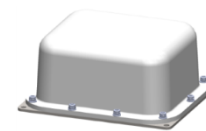
MULTIGEAR ARTISANAL
VESSELS

AIM



Improvement of work conditions
and control of
fishing areas and traceability

Nº OF INSTALLATIONS



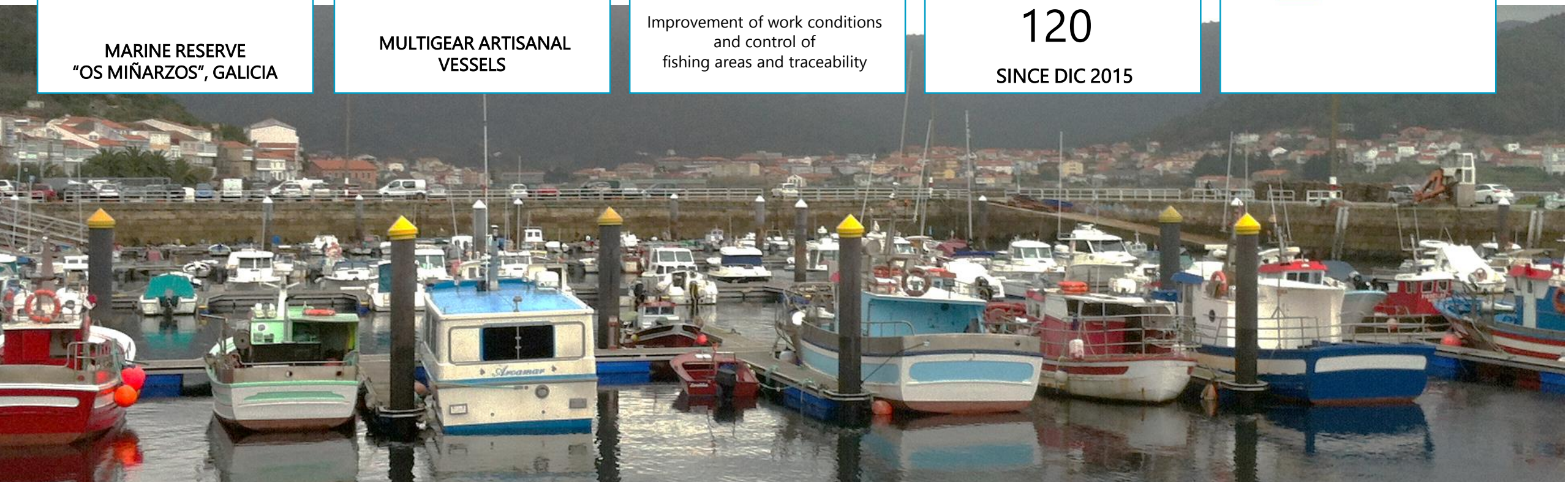
120

SINCE DIC 2015

PROJECT SUPPORTED BY



XUNTA
DE GALICIA





DEVELOPMENT COSTS

STAFF



INVOLVED IN THE PROJECT

5

DEVELOPMENT TIME



2 YEARS

NO. OF PROTOTYPES



5

TOTAL COSTS



~200 K€



SYSTEM OPERATION

MARKET PRICE



995 €

GSM AIRTIME



120€ /year

INSTALLATION TIME



2 hours

WARRANTY



5 years

Only 3% of systems replaced

TYPE APPROVED



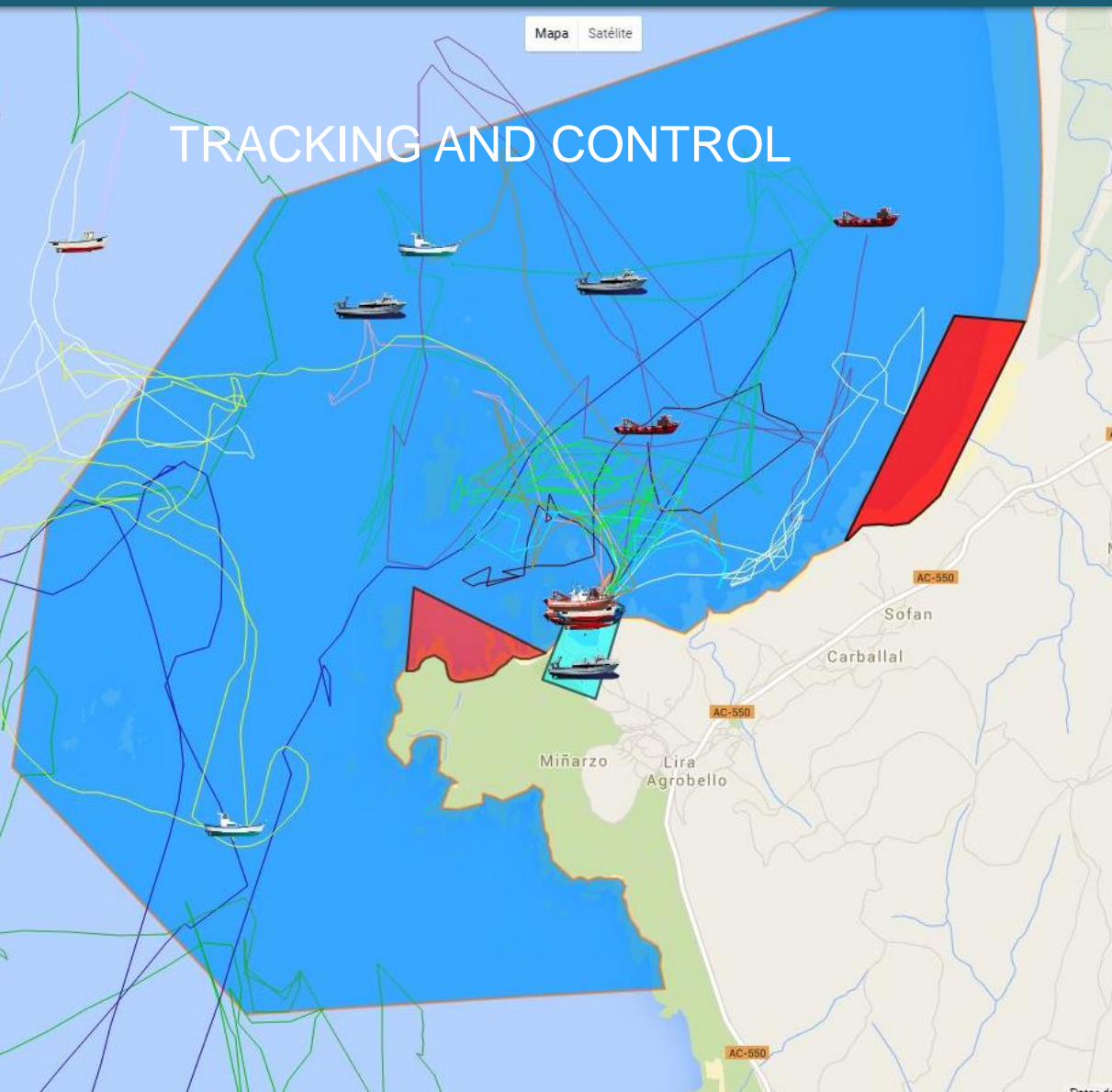
Marine
Management
Organisation

June 2016



SUCCESS STORIES

TRACKING AND CONTROL



FISHING EFFORT





SUMMARY



3 YEARS SUCCESSFULLY IN OPERATION

THE PROJECT BEGUN IN DIC. 2015 AND OUR SYSTEM HAS BEEN INSTALLED IN 120 VESSELS



HIGH ADDED VALUE

TO ENABLE END-USER ACCEPTANCE AND SUPPORT THE SYSTEM IMPLEMENTATION



CONTROL CENTER

EASY AND DINAMIC TOOL TO CONTROL VESSELS OPERATIONS



GSM COMMUNICATIONS

PRIVATE COMMUNICATIONS. ONLY THE LOCAL GOVERNMENT (XUNTA) HAD ACCESS TO VESSEL POSITIONS.

THANK YOU!

