

# Digital Port Platform ARTES Business Applications & Space Solutions (1/1)



Space assets provide real-time situational awareness for improving port efficiency

- Enhancing collaboration and increasing sustainability in maritime industry



## Project overview

- Shipping congestion and delays plagues ports round the world, worsened by uncertain arrival times of vessels.
- Sinay has developed a digital ecosystem for a range of customers in the shipping industry to improve port operations, enhance scheduling accuracy, and reduce the fuel consumption and therefore carbon emission of vessels
- Combines satellite data with artificial intelligence to predict vessel times accurately and monitor water quality in real-time

*"Gathering powerful information from ESA will allow Sinay to help maritime corporates to conciliate business efficiency with ocean sustainability"*

*Alessio Maglia,  
Project & Business Manager, Sinay*

## Benefits

- Reduces costs and CO2 emissions by optimising vessel arrivals, cutting fuel consumption and operational delays
- Protects operators and users' environmental footprint by providing water quality alerts and risk maps to prevent pollution incidents and ensure compliance
- Improves decision-making and planning in the shipping ecosystem through a data-driven and user-friendly centralised hub for customers
- Improves maritime logistics by facilitating stakeholder collaboration and shared insights



## Project success



€3.2M  
ESA + Industry  
funding



DURING



€375k  
Sales revenue  
during project



4  
Jobs created in  
France



70%  
of sales  
exported



5  
Partnerships  
developed

BEYOND



€125k  
Revenues since  
project  
completion



10  
Additional jobs  
created in France



~€1.25M  
In business  
development  
opportunities



45  
Additional  
partnerships

## FUTURE GROWTH



CCN to add:  
marine mammal  
protection; sea,  
wave, and wind  
data integration



Increase breadth  
of information on  
platform



Establishment of  
international  
offices



Adapt to serve  
logistics and  
supply chain  
management



THEMATIC AREA

TRANSPORT & LOGISTICS



→ THE EUROPEAN SPACE AGENCY