



CONTACT

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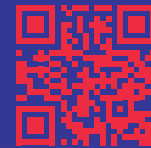
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CONSORTIUM

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MISSION

Just in time



MISSION will digitalise the maritime sector by developing a new software system for the shipping industry to enhance maritime efficiency and safety. It will integrate and extend existing systems with just-in-time port call functionalities, so that stakeholders can communicate effectively with each other, with an estimated reduction of fuel consumption of up to 23%.

THE IMPORTANCE OF MISSION

- Accounting for over **80% of the transportation** of global trade, the shipping industry globally accounts for **3% of the world's greenhouse gas emissions** in 2023.
- **91% of European ports are in or very close to urban areas**, where about 40% of the EU's population lives.

BENEFITS

Societal impacts:

- MISSION will increase navigational safety through improved sea traffic management
- MISSION will benefit the health and quality of life of near-port communities

Environmental impacts:

- MISSION will allow vessels to save 10-20% of fuel during port arrival and anchorage
- MISSION will enable shipping companies to quantify their fuel savings and the GHG emissions will be avoided

Economic impacts:

- MISSION aims to develop a unified and standardised toolbox to adhere to when creating further innovative digital solutions in the maritime sector
- MISSION will prove the commercial viability of voyage and port call optimisation
- Economic benefits from the improvement of efficiency of vessels operations
- The development of green business models will ensure extensive market penetration

TECHNOLOGICAL INNOVATION

- Development of port call optimisation standards to facilitate a secure, resilient, and operational real-time digital data sharing and decision support system for port and voyage optimisation
- Development of a secure and resilient IT-infrastructure
- Development of a unified standardised toolbox
- Contribution to a more competitive European waterborne industry leading by example in the cooperation needed to provide new sustainable and digital technologies in different sectors.

PROJECT STRUCTURE

Phase 1

Define process & technical interface standards, new contractual & regulatory frameworks for the ship-port call optimisation

Phase 2

Build resilient & scalable IT infrastructure

Phase 3

Enable voyage, fleet, and port call analytics

Phases 4 – 5

Assess impact of MISSION / Build green business models and initialise stakeholder change management



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