

PROJECT

NAVDEC

Navigational Decision Support System for Improved COLREGs Safety Management

Funding: European (Horizon 2020)

Duration: Jun 2015 - Aug 2015

Status: Complete

Total project cost: €71,429

EU contribution: €50,000



Call for proposal: H2020-SMEINST-1-2015

[CORDIS RCN : 197417](#)

Objectives:

The NAVDEC project focuses on our innovative marine navigation system, using modern IT and ICT technologies to perform decision support functions by processing and integrating data from other navigation information systems to assess the situation and work out solutions to avoid collisions at sea. This is important because human error is the main causes of maritime accidents, and due to the high cost of marine accidents (damage to ship, cargo, injuries and pollution), the potential market for this type of systems is broad, including ship owners, ship builders, equipment manufacturers, classification societies and insurance companies. Potential system users are ship officers and sailors of over 77 thousand merchant vessels worldwide and many times more sailing and motor boats, as well as training centres.

A higher level of navigational safety provided by NAVDEC's new functionalities will reduce the risk of accidents and generate material benefits due to lower loss of cargo and ships, as well as marine environment protection and prevention of ecological disasters, and social benefits due to safer work conditions on marine vessels. The development of a feasibility study will allow the enterprise strategy to be determined, taking into account the opportunities/possibilities and internal and external limitations for the implementation of our decision support system for navigation in future phases in regard to the needs of different groups of clients.

Parent Programmes:

[H2020-EU.3.4. - Horizon 2020: Smart, Green and Integrated Transport](#)

Institute type: Public institution

Institute name: European Commission

Funding type: Public (EU)

Lead Organisation:

Sup4Nav Spolka Z Ograniczona Odpowiedzialnoscia

Address:

UL. NIEMIERZYNSKA 17 A
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Poland

EU Contribution: €50,000

Technologies:

Safety systems

Navigation support tool to improve safety

Development phase: Validation

STRIA Roadmaps:

Cooperative, connected and automated transport, Network and traffic management systems

Water transport (sea &

Transport mode: inland)

Transport sectors: Passenger transport, Freight transport

Transport policies: Safety/Security, Digitalisation

Geo-spatial type: Other