DigLogs Pilot Actions

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Faculty of Maritime studies
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Intermodal Logistics
Training Consortium
VENICE (IT)
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Port of Rijeka Authority
RIJEKA (HR)

Port Authority of Šibenik
ŠIBENIK (HR)

Port Authority of Rovinj
ROVINJ (HR)

Inland Terminal of Friuli
Venezia Giulia Region
(Gorizia)

University of Trieste

Port of Venice

Rovinj Port
Authority

Port of Rijeka
Authority

Port of Šibenik

Interporto d'Abruzzo
Port of Ortona
Port of Vasto

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M2M Dialogue:
operational and accounting integration for PCS

Location

Rovinj Port Authority

Description

An application integrating the operational and accounting system of the Port Authority's operations, which enables: mooring reservation system, graphic mooring occupancy management, billing via mobile application, creating daily, monthly and annual reports, generating mooring contracts, automatic invoicing, CRM-Integrated Email System, accounting, paying invoices and automated importing of bank statements.

Benefits

- Work efficiency
- Better billing and payment management
- Optimization of work processes
- Increase in employee efficiency
- Improvement of customer service
- Faster and better decision making of management,
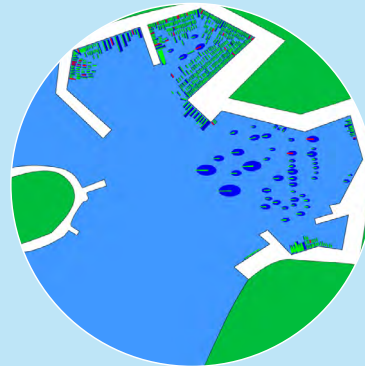- Acceleration and automation of processes

Target User

- Port authorities
- Software developers
- Accounting experts

Application Area

Freight, Passenger

Partner

Port Authority of Rovinj

| Title | **Innovative solution for access control** |

Location — Port of Šibenik

Description — An automated digital access control system in line with ISPS, integrating other port security rules and current access regulations.

Benefits
- Introduction of an innovative solution with all applicable features and integrations for data submission and permits issuing and processing
- Granular access and control over identified passenger target group stakeholders up to the level of statistical data processing
- Open data can be fosterd by providing data to private and public stakeholders for real-time insight
- New commercial initiative opportunities from the innovative access control system

Target User
- Local and regional national public Authorities
- Enterprises, transport and multimodal transport operators (MTO)
- Shippers
- Passenger and freight terminals
- Shipping companies
- Sector associations

Application Area — Passenger

Partner — Port Authority of Šibenik

See the video

▶ YouTube

App for data flows management of passengers

Location

Port of Rijeka Authority

Description

A highly modular monitoring system with a compact surveillance solution to address short to medium range surveillance applications, which are able to exactly pinpoint all small vessels present or approaching the passenger terminal.

The connection of this sensing device to the existing traffic system and display would allow a complete monitoring of all vehicles moving into and out of the passenger terminal.

Benefits

- Connects seamlessly to the existing Transas VTS system used in the port of Rijeka
- Increases resolution of the existing system, enabling early detection and tracking of very small vessels that cannot be reliably detected using existing system
- Enables tracking of such vessels during the night and adverse conditions (rain, wind, snow, fog)
- Extends available data, information and visualization to end users – passengers, thus further increasing security in the port basin

Target User

- Passenger and freight terminals
- Passengers
- Shipping companies
- Shippers
- Multimodal transport operators (MTOs)
- Mobile security application developers

Application Area

Passenger

Partner

Port of Rijeka Authority

Big Data/Data management solution for planning

Location

Port of Venice

Description

A pilot to improve the sharing and processing of data by enabling interoperable protocols for the Big Data/Data management solution for planning.

The pilot will enable the different operators, with their different hardware and software tools, to dynamically access up-to-date information without duplicating it and directly share the processing results with others (incl. digital maps as well as Big Data and real-time data).

Benefits

- More reliable datasets due to: better maintenance, greater security, more dependable updates and reduction of duplicated data
- The benefits will result in the better utilization of data by internal departments of the Port Authority including time reductions in service provision and in decision making processes
- Benefits include an increase in the number users accessing the data and the amount of decision making processes/services supported by the up-to-date data processing

Target User

- Port Authority
- Educational institutions
- Transport associations or companies

Application Area

Freight, Passenger
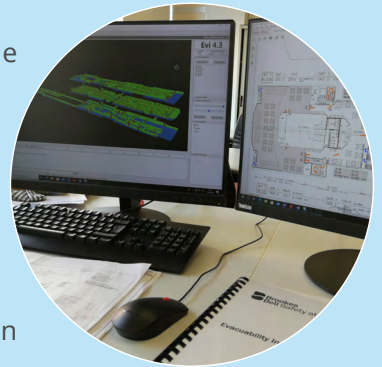
Partner

Intermodal Logistics Training Consortium

APV

CFLI

| Title | **Mobile Security for passenger ships** |

| Location | Trieste |

| Description | The pilot creates a mobile application, to guide passengers in the proper direction on board during emergencies (incl. appropriate escape routes avoiding any blocked due to fire or flooding). The application localises passengers using infrastructure on the ship's emergency grid and/or on an independent source of power. The application can also support the development of commercial passenger localisation. |

| Benefits |
- Reducing evacuation time in case of emergencies on passenger ships
- Improving the situational awareness of the crew
- Providing early detection of unauthorised accesses of passengers to restricted areas
- Improving the communication between passengers and the crew in case of need and emergencies (incl. monitoring infected passengers during onboard infections)

| Target User |
- Shipping companies
- Shipyards in charge of building the testing ships
- University, in order to manage and monitor the development of the innovation
- Mobile security application developers
- Bluetooth net specialists and beacon suppliers

| Application Area | Passenger |

| Partner | University of Trieste |

UNIVERSITÀ
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| Title | **PCS Automation: Deliveries Planning System** |

| Location | Interporto d'Abruzzo, Port of Ortona, Port of Vasto and Port of Šibenik |

| Description | The pilot provides improved knowledge for operators in the shipment routing decision making process through the comparison of multimodal services in terms of: prices; transit times and schedules; matching ITUs requirements/compatibility with the vessel; shipment requirements with Dangerous Goods limitations; re-routing options based on traffic & weather conditions.

The system aims at providing foundations for automating the booking process (including Custom Declarations and Dangerous Goods processing) and following the shipment through a track&trace system, providing a real-time updated ETA, as well as emission certificates. |

| Benefits | The Delivery Planning System will limit problems by guiding the operator throughout the decision-making process of the multimodal service routing, leading to the simplification of the procedures for Custom Declarations and Dangerous Goods Processing. |

| Target User |
• Transport Operators
• MTO Multimodal Transport Operators
• Shipping Companies
• Shippers
• Freight Terminals
• Port Authorities |

| Application Area | Freight |

| Partner | Polo Inoltra |

POLO
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INNOVAZIONE LOGISTICA & TRASPORTI

| Title | **Warehouse Management 4.0 with a Decision Support System** |

Location
Inland Terminal of Friuli Venezia Giulia Region (Gorizia)

Description

The pilot will test a web application of an innovative information system which delivers data on intermodal appointments in the nodes for shippers, carriers, Multimodal Transport Operators (MTO).

The pilot will test a collaboration platform with MTOs for their services (incl. time schedules, origin/destination, delays). The pilot will be run in a dryport located in FVG region and will then be open to other dryports and MTOs in the Programme area interested in uploading their data.

Benefits

- Smart and efficient management of cargo in the warehouse
- Savings in terms of time and cost during the moment of loading/unloading in the warehouse
- Provides information on existing intermodal services in Inland terminal to the logistics operators
- Supporting the development of compelling intermodal servicesa

Target User

- Inland Terminal management Body;
- Road haulers;
- Combined Rail Road transport operators;
- MTOs;
- Shippers;
- Customs operators

Application Area
Freight

Partner
Elevante

elevante

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