

Pilot projects – PP7, PP8, PP9

Partner meeting

«Digitalising Logistics processes – DigLogs» project

<https://www.italy-croatia.eu/diglogs>

01-02 December 2021.

APP for data flows management of passengers

«Digitalising Logistics processes – DigLogs» project

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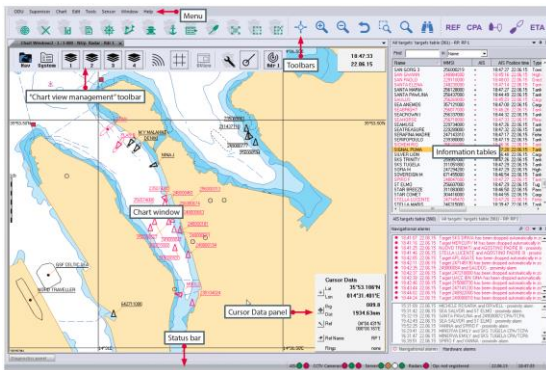
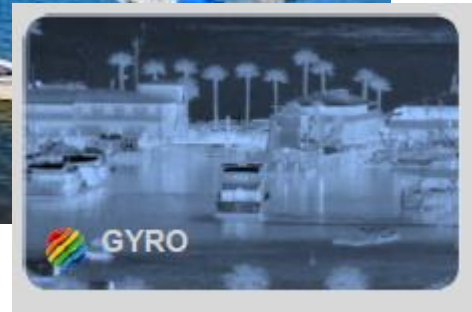
Port of Rijeka Authority (PP7)

01-02 December 2021.

APP for data flows management of passengers

What is it?

Core of the project is **establishing a monitoring system** using a highly modular, ready to go, compact surveillance solution using video and fixed lens thermal cameras, which is ideal for short to medium range surveillance applications to exactly pinpoint **every small vessel** or other **vehicle present or approaching the passenger terminal**. The sensing device, and/or a dedicated, custom made **client application** furthermore might be connected via a pilot-developed module to **existing traffic system** and display in real time the inflow of small and large vessels and vehicles moving at the passenger terminal.



LUČKA UPRAVA RIJEKA
PORT OF RIJEKA AUTHORITY

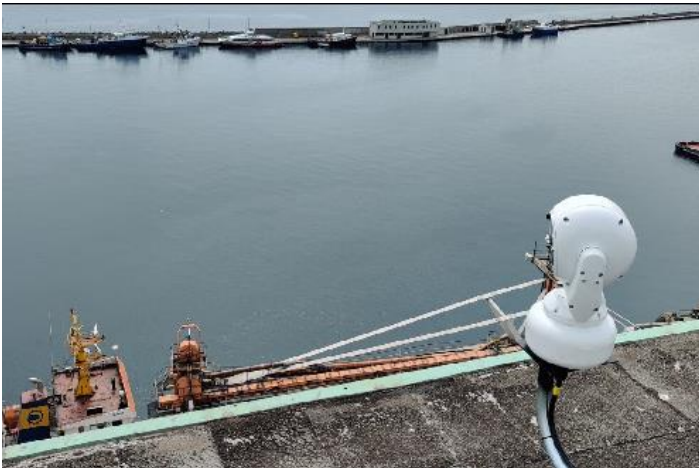
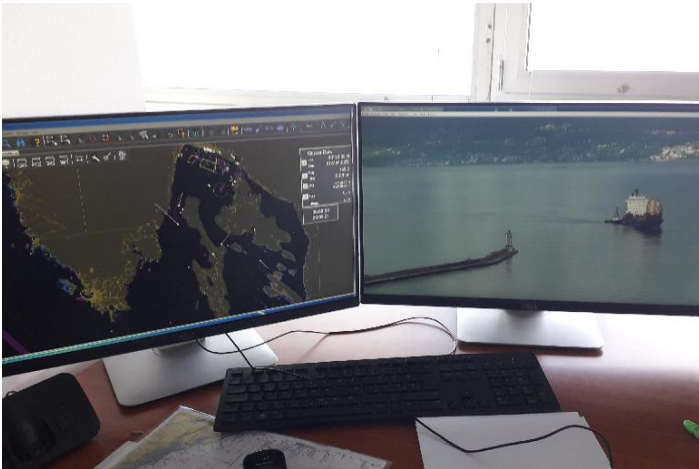
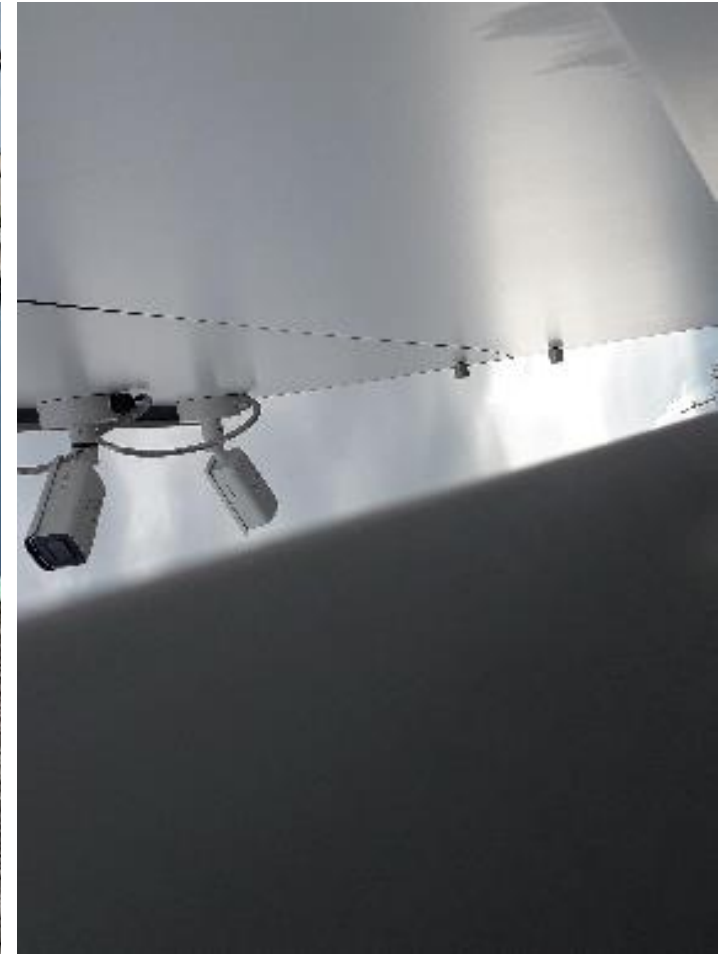
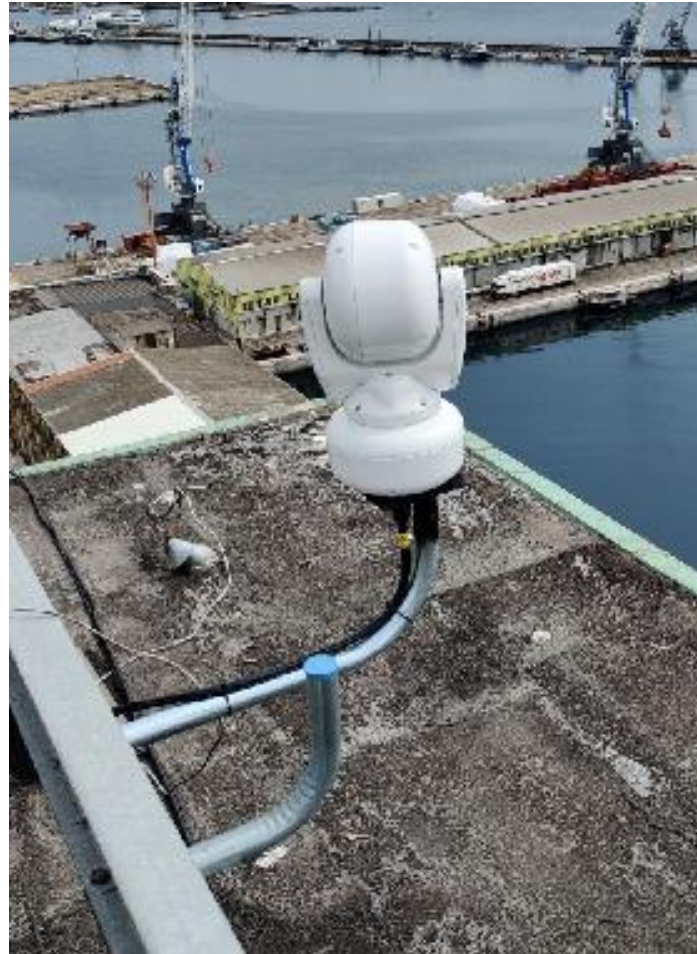
APP for data flows management of passengers: SOLUTIONS PROPOSED

What problem will it solve?

- It serves as a natural extension to **already used equipment** for VTS in the port of Rijeka that **does not have adequate capabilities** to support the real-scenario type of traffic in the port basin
- It enables visibility of and location of **smaller vessels and objects** in the harbour that are **not readily visible and trackable** using existing system
- It provides such information to the Port Control Center and, tentatively, to **end-users – passengers**, using their own personal devices (notebooks, laptops, mobile phones), therefore **increasing reliability** of port traffic safety services and enabling situational data flow that is **currently not possible**

What will be the benefits?

- **Connects** seamlessly to the existing Transas VTS system used in the port of Rijeka
- **Enhances** capabilities of sensing technology extending it to additional video input based on conditions
- **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



Thermal camera / Augmented reality camera

VTS integration / Rijeka Traffic integration

https://pra-diglogs.hr

Interreg Italy - Croatia DigLogs

Cameras Ship activity Map Weather High-speed lines schedule About the project

Hrvatski

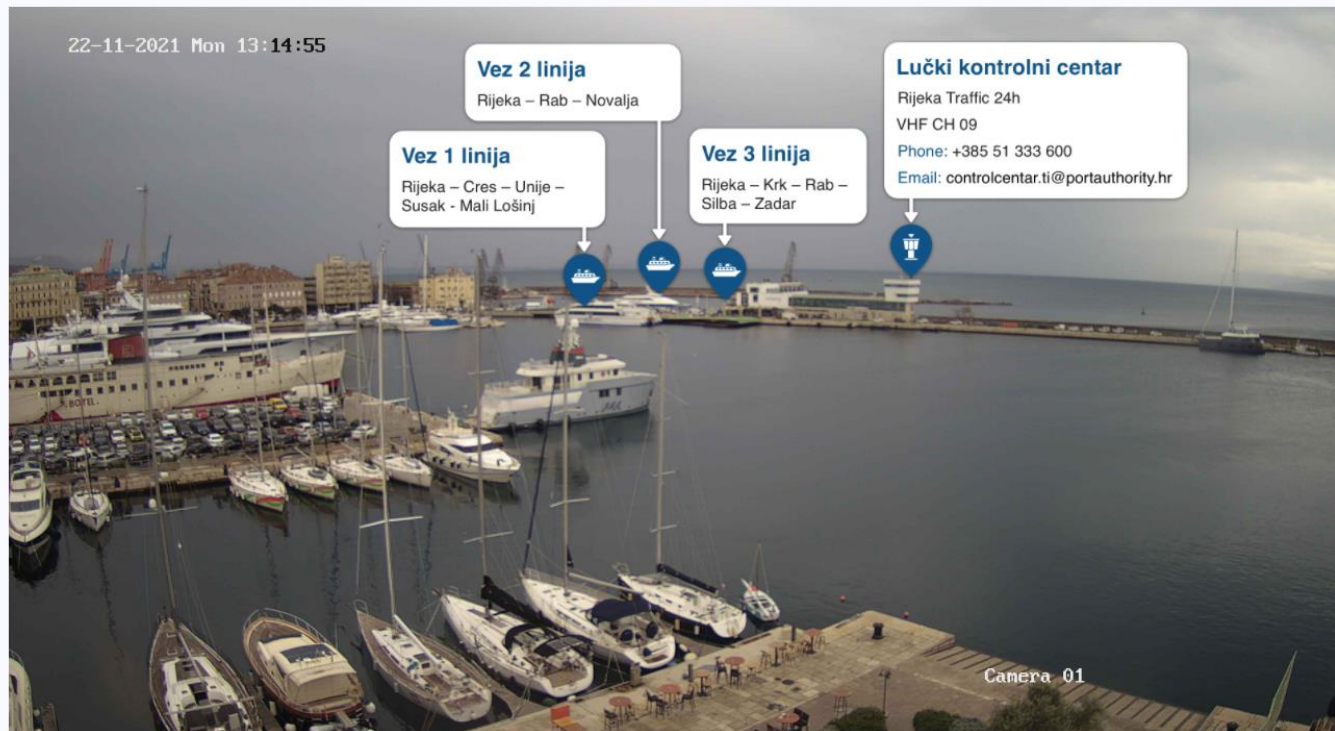
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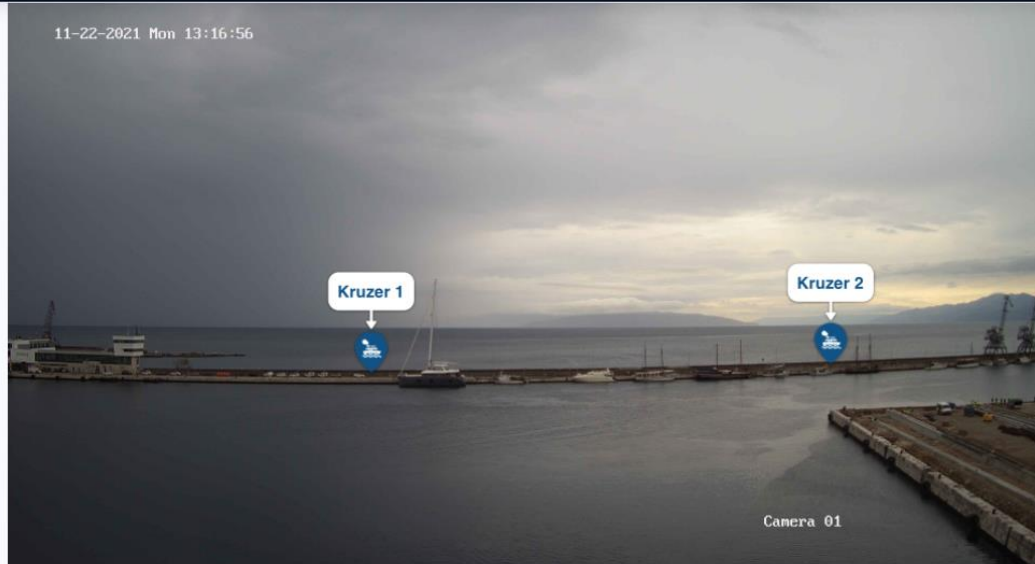
Short description about the project

Aktivnosti brodova O projektu

Cameras

Cameras display





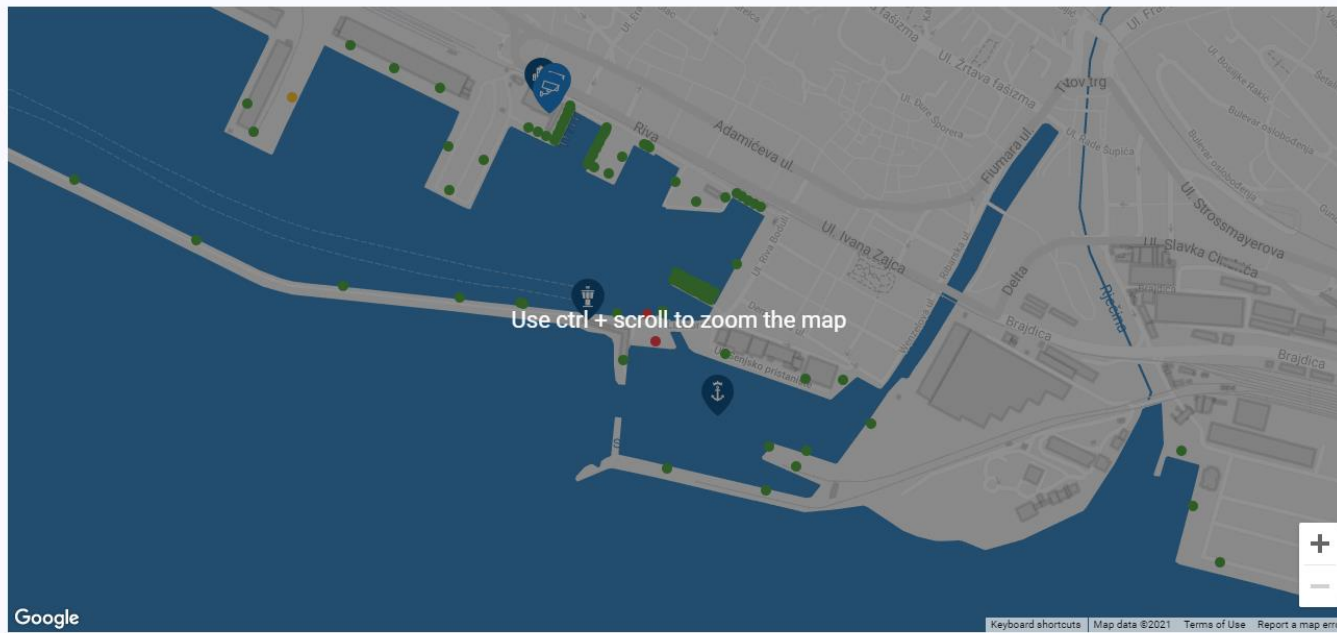
Ship activity

Pier number: 30a - 37

	Pier number	Pier name	Ship and activity
•	30a	Riječki luk. E vez 30A	Available
•	30b	Putnički terminal vez 30B	Available
•	30c	Putnički terminal vez 30C	ADRIANA arrival 2021-11-22 08:40:00

Map

Display of ships on map



High-speed lines schedule

Ferry, high-speed and ship lines map: [VIEW MAP](#)



Rijeka - Rab - Novalja (Pag)
[View schedule](#)



Mali Lošinj - Ilovik - Susak - Unije -
Martinšćica - Cres - Rijeka
[View schedule](#)



Rijeka - Krk - Rab - Silba - Zadar
[View schedule](#)

Weather



10 °C

22/11/2021



9 °C

23/11/2021



9 °C

24/11/2021



10 °C

25/11/2021



11 °C

26/11/2021



11 °C

27/11/2021



8 °C

28/11/2021



6 °C

29/11/2021

About the project

ACRONYM AND TITLE OF THE PROJECT:

DigLogs – Digitalising Logistic processes

FINANCING PROGRAM: INTERREG CRO-IT 2014/2020

SUMMARY AND PROJECT GOALS

The DigLogs project involves cooperation between the two countries – Italy and Croatia, and is being implemented with the aim of creating the necessary concepts, technological solutions, models and planning to establish the most advanced digitized logistic processes for multimodal freight traffic and passenger services in the program area. The project is aimed at developing key implementation plans to increase the competitiveness of multimodal transport services and harmonize passenger services.

MAIN PROJECT ACTIVITIES:

- Analysis of the main sector innovations focusing on the trend of digitization of the process in the program area and managing the data for mobility of cargo and passengers
- Development of a “travel map” based on major innovations over the next five years
- Defining the steps to be taken to implement innovative solutions
- Seven pilot-focused actions regarding cargo and passenger traffic continuing with implementation of combined pilot -activities to test the real situation in private and public management
- A plan that will help all future participants to understand the results of the project pilot activities in the program area
- An action plan for the collection of experience and results in order to make possible the implementation of further measures to support the digitalization process after the closure of the project

PROJECT DURATION

- Start date: 01.01.2019.
- End date: 31.12.2021.

Innovative solution for access control

«Digitalising Logistics processes – DigLogs» project

<https://www.italy-croatia.eu/diglogs>

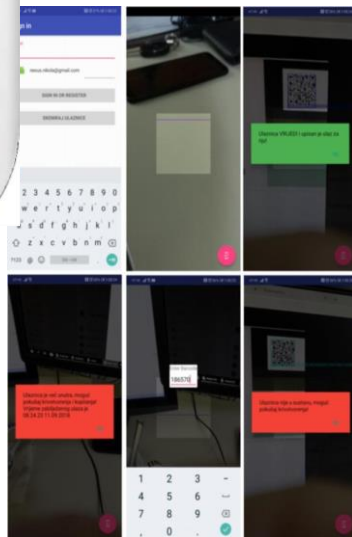
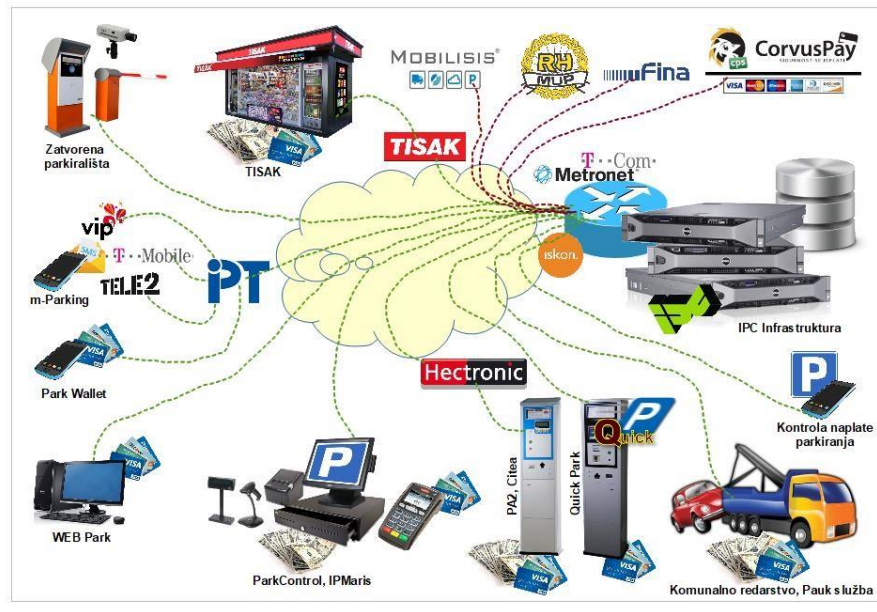
Port of Šibenik Authority (PP8)

01-02 December 2021

Innovative solution for access control

What is it?

Core of the project is **establishing an automated digital access control system** in line with ISPS, other **port security** rules and current access regulations that will be integrated and absorbed, introducing innovative solutions with all applicable features and integrations for data submission and **permits issuing and processing** in order to grant **granular access** and achieve control over identified passenger target group stakeholders up to the level of statistical data processing.



LUČKA UPRAVA ŠIBENIK
PORT OF ŠIBENIK AUTHORITY
CROATIA

Innovative solution for access control: SOLUTIONS PROPOSED

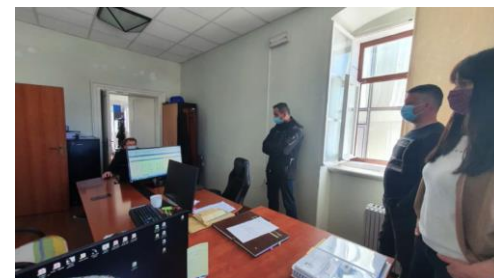
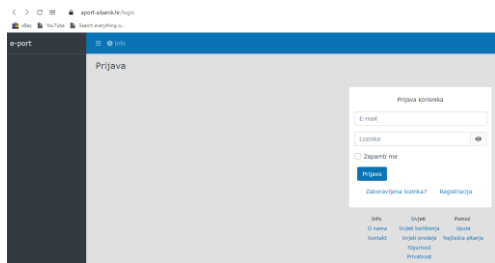
What problem will it solve?

- **Enforcement of access control** is still implemented using passes issued in physical form, using manual labour and plastic cards, causing delays, excessive consumption of time and other resources, and diminishing possibilities of integration and analytics
- New national PCS package under development and to be issued for adjustments to local port authorities in 2021. **does not have a dedicated access control module** suitable for passenger flow oversight
- **Passenger terminal Vruļje** with a cumulative quay length of 510 meters, has a projected capacity of 1.000.000 passengers annually and with the ongoing capacity expansion to 2.000.000 passengers annually, an inherent need for a **new digital system of permits issuing** based on innovative digital solution becomes even more clear
- This lack of complete informatization of access control process can be identified as an **evident bottleneck**, and especially in relation to ISPS requirements and port security procedures.

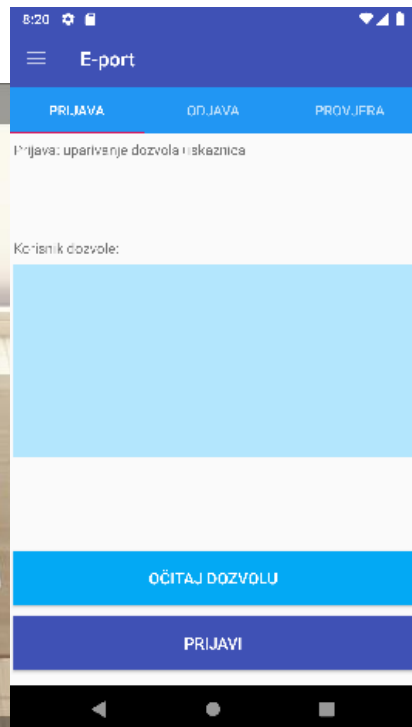
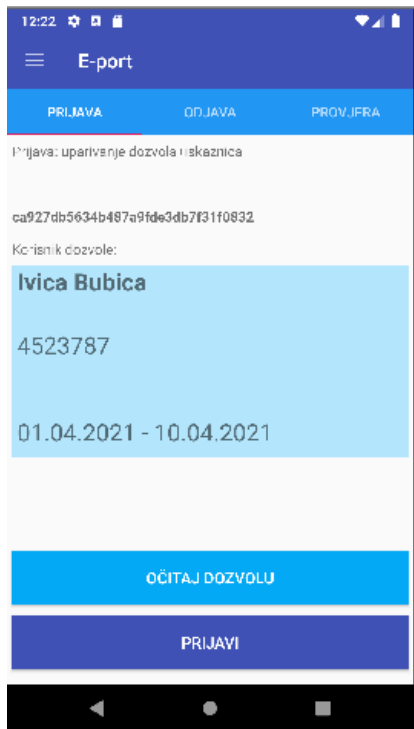
What will be the benefits?

- 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 further endorsed by providing to private and public stakeholders real-time insight into the acquired data
- **New commercial initiatives** and possibilities arising from the innovative access control system that can be exploited using existing marketing and commercial channels

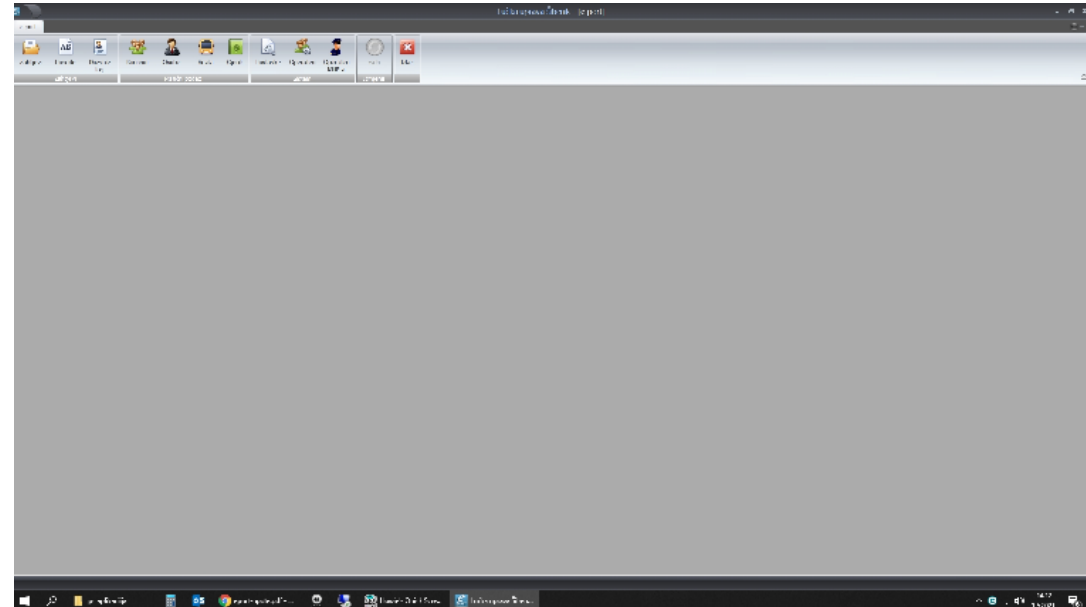
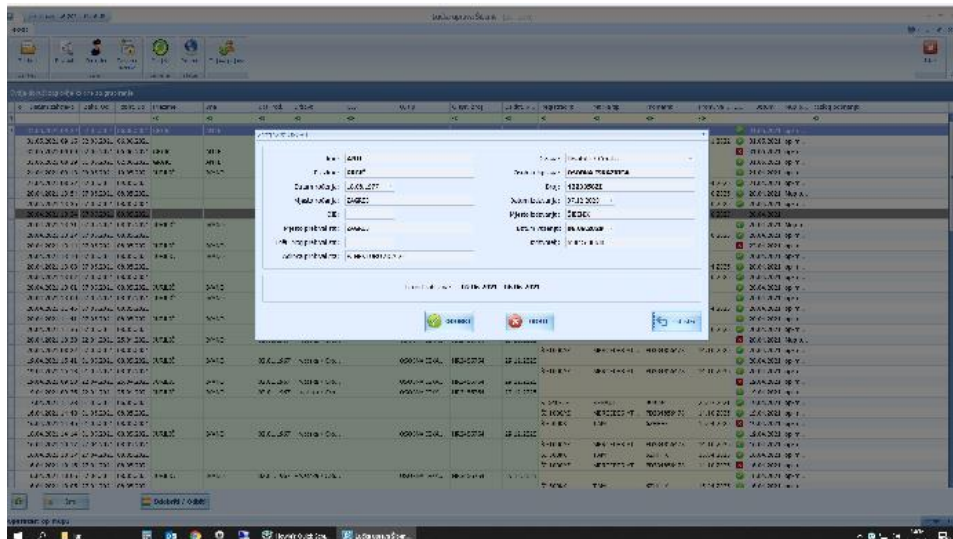
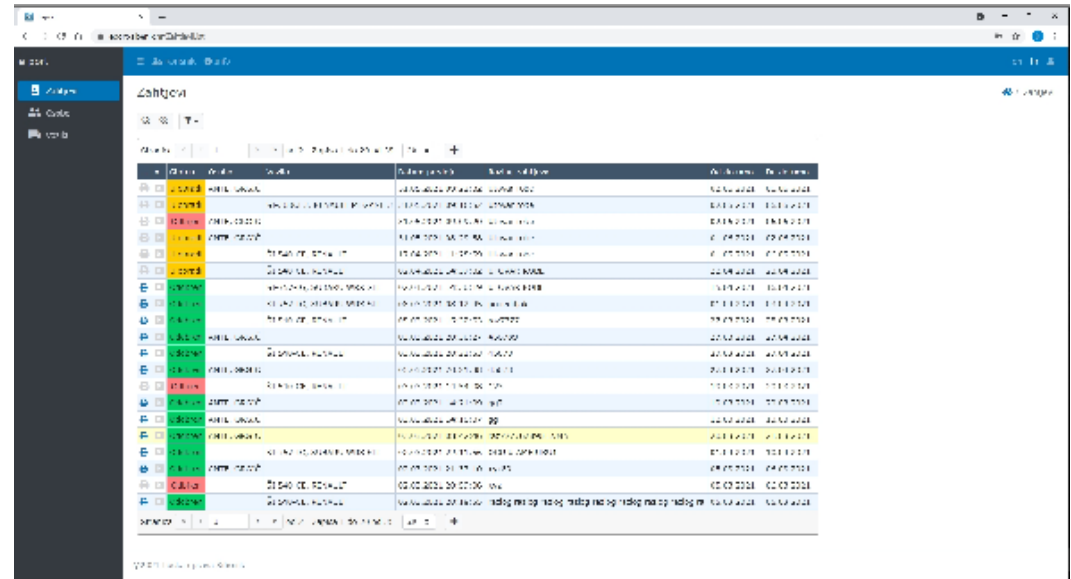




Port access control: e-Port integration



Suite: Android application + police application + Windows application + Web application
<https://e-port-sibenik.hr>



M2M Dialogue

«Digitalising Logistics processes – DigLogs» project

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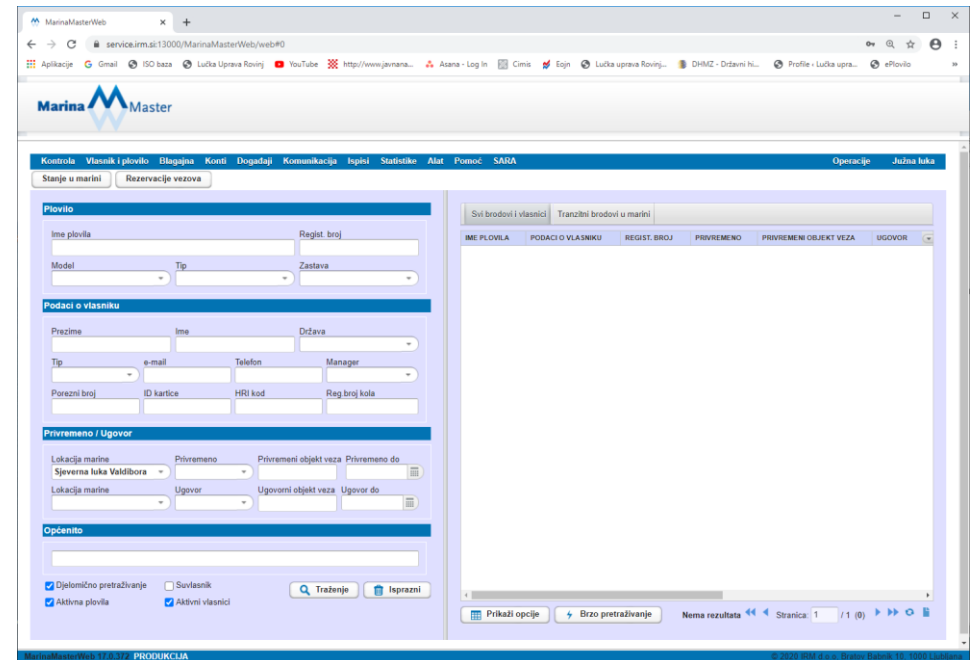
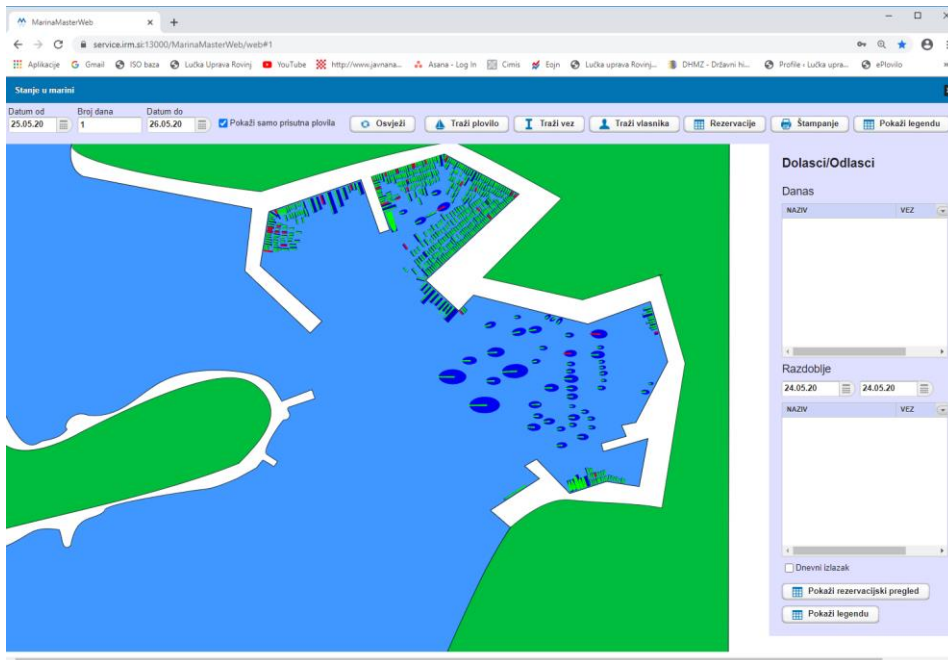
Rovinj Port Authority (PP9)

01-02 December 2021

Innovative solution for pilot action

What is it?

Rovinj Port Authority will implement **application** that **integrates the operational and accounting system** of the Port Authority's operations and it will **serve as PCS**. The application 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.



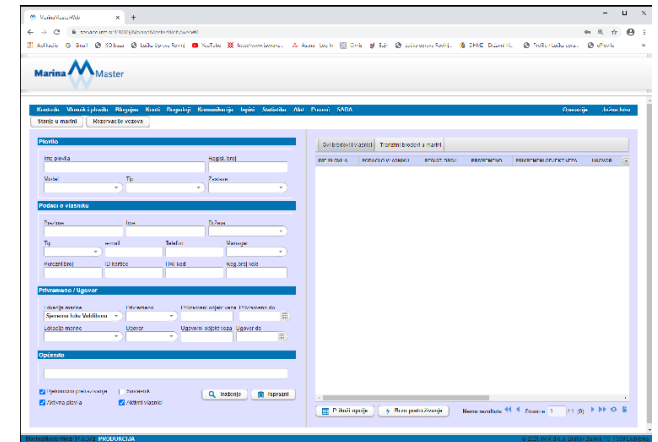
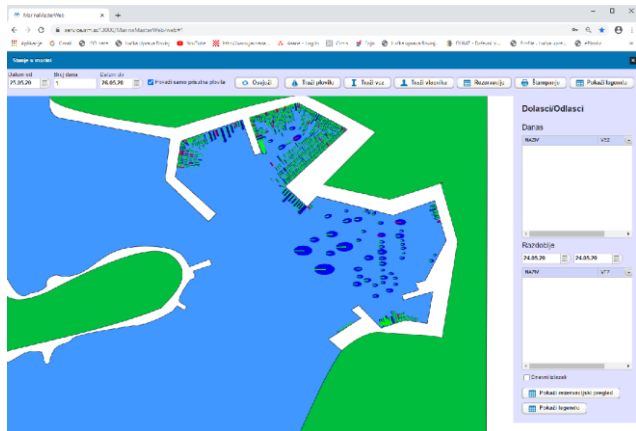
Innovative solution for pilot action: SOLUTIONS PROPOSED

What problem will it solve?

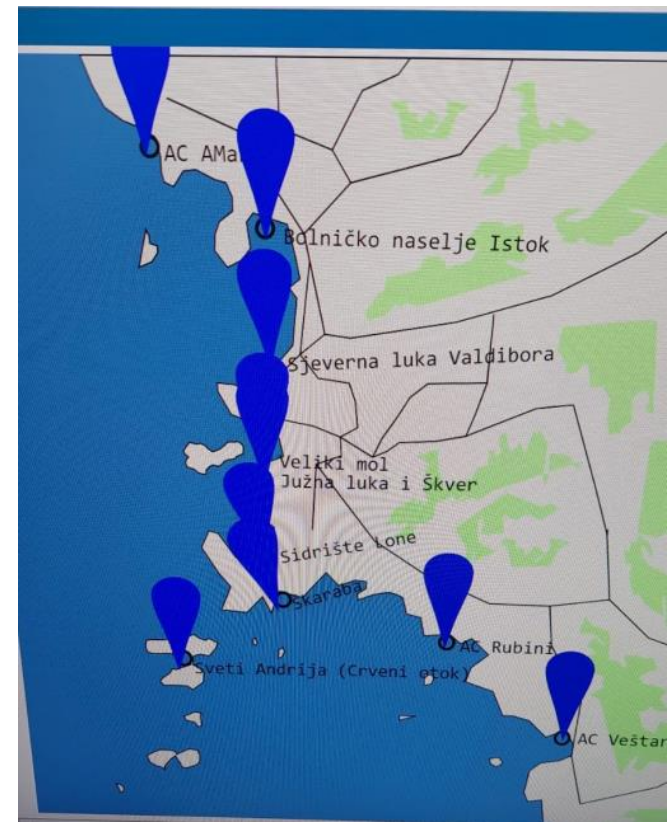
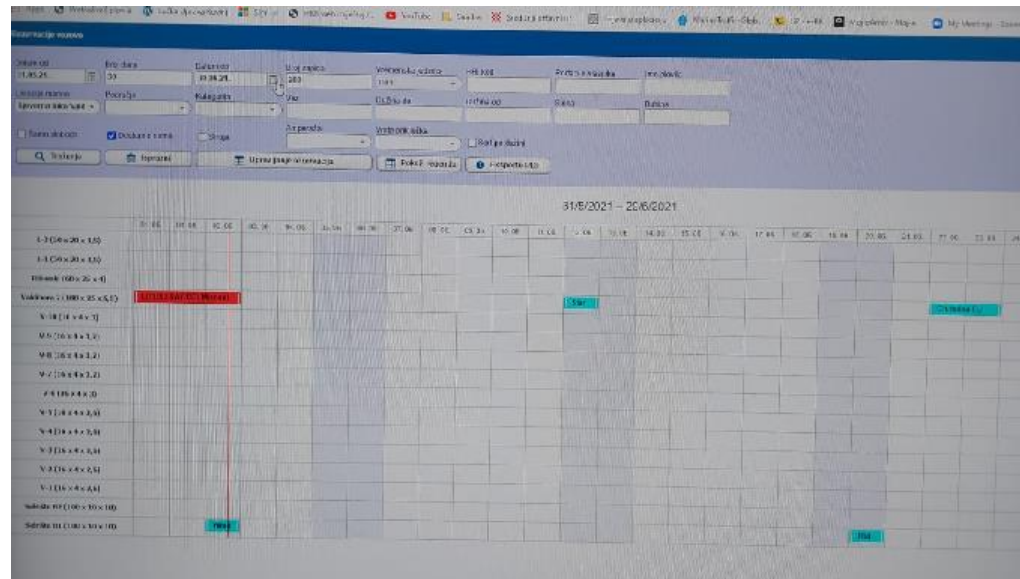
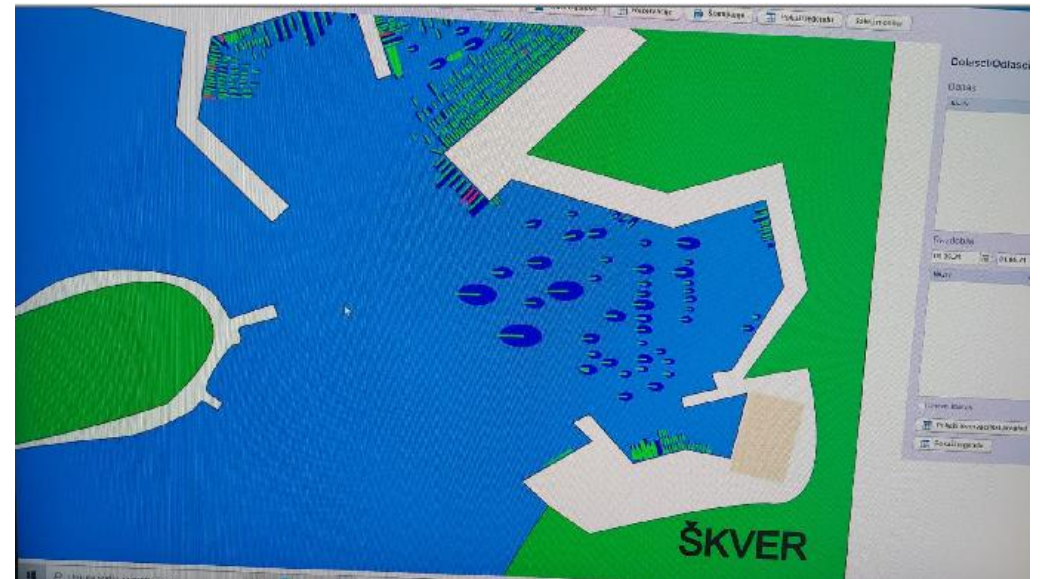
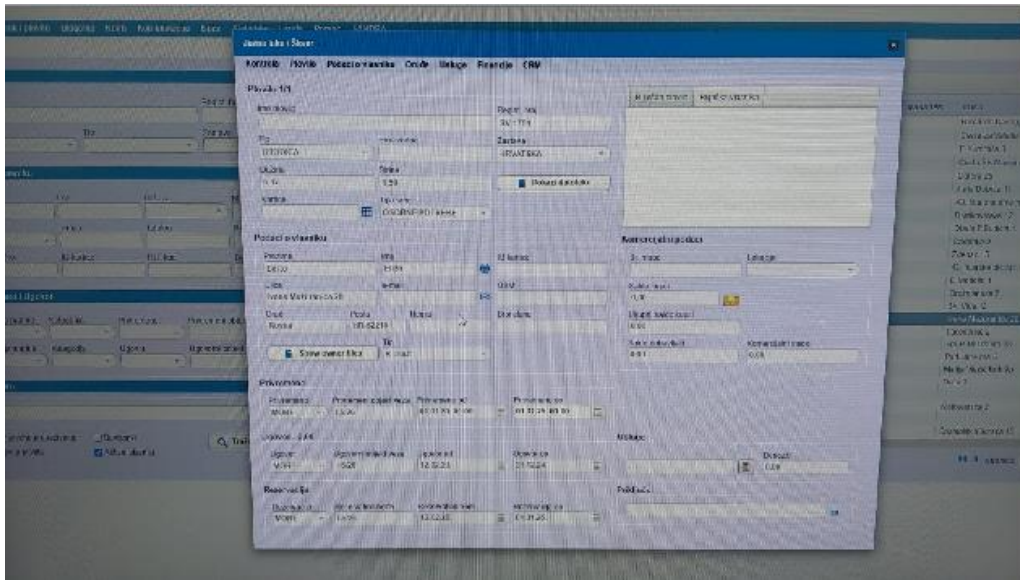
- Rovinj Port Authority currently **uses several different unrelated software systems** that make it **difficult** to operate and monitor all business processes. The implementation of a system that integrates all aspects of the Port Authority's operations will enable **optimal control over the operations** of the Port Authority in all port areas it manages and at the same time enable the control of the mooring capacity occupancy.
- The application enables better **integration of the operational part of business and management**.
- Additionally; it solves the problem of duplicate data entry and possible errors that occur during the input, facilitates access to the data since all the data is digitized and in one place, the software is also available through the mobile application, statistical reports on traffic in the port are generated, significantly reduces the paperwork, radically speeding up processes, digitizing business and enabling better financial control.
- The application's output documents are a **prerequisite for future automation of the communication process with NSW**, which is not technically possible at this time.

What will be the 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.



Marina Master integration: *hardware, software, official notes/complaints, cash transactions (register), billing process, mooring reservations*



Pilot projects – PP7, PP8, PP9

Partner meeting

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01-02 December 2021.