University of Rijeka,
Faculty of Maritime studies

PROJECT TITLE: CECOM - Center of Competencies for Smart Cities, KK.01.2.2.03.0004

TOTAL VALUE OF THE PROJECT AND AMOUNT CO-FINANCED BY THE EU (in HRK): HRK 149,631,384.15, of which HRK 95,357,525.75 as EU co-financig

TOTAL AMOUNT FROM PFRI BUDGET: HRK 2,485,122.67

PROJECT IMPLEMENTATION PERIOD (from-to): The period of project implementation is from 01 March 2020 to 01 March 2023

CONTACT PERSON: Siniša Vilke Ph. D. / svilke@pfri.hr

WEBSITE: https://smart-ri.hr/

PARTNERHIP:

No.	Partner organization	Country	Role
1.	SmartRI Ltd.	Croatia	Lead partner
2.	3tCable Ltd.	Croatia	Partner
3.	Alarm automatika Ltd.	Croatia	Partner
4.	Apsolon Ltd.	Croatia	Partner
5.	Combis Ltd.	Croatia	Partner
6.	Elektrokovina Ltd.	Croatia	Partner
7.	Energy Institute Hrvoje Požar	Croatia	Partner
8.	Energo Ltd.	Croatia	Partner
9.	Ericsson Nikola Tesla J.s.c.	Croatia	Partner
10.	Exevio Ltd.	Croatia	Partner
11.	University of Rijeka, Faculty of Tourism and Hospitality Management	Croatia	Partner
12.	Hrvatski telekom J.s.c.	Croatia	Partner
13.	IOLAP Inc.	SAD	Partner
14.	Kd Vodovod i Kanalizacija Ltd.	Croatia	Partner
15.	Kreativni odjel d.o.o.	Croatia	Partner
16.	University of Rijeka, Faculty of Maritime Studies	Croatia	Partner
17.	Rijeka promet J.s.c.	Croatia	Partner
18.	Smart Sense Ltd.	Croatia	Partner
19.	SmartIS Ltd.	Croatia	Partner
20.	University of Rijeka	Croatia	Partner

Europska unija "Zajedno do fondova EU"
EUROPSKI STRUKTURNI I INVESTICIJSKI FONDOVI
Operativni program KONKURENTNOST I KOHEZIJA
Projekt je sufinancirala Europska unija iz Europskog fonda za regionalni razvoj.

University of Rijeka,
Faculty of Maritime studies

RESEARCH DEVELOPMENT PROJECTS WITHIN CEKOM:

No.	Research development projects
1.	**SMART CITY SURINMO** – Optimisation of traffic flows under low-carbon mobility conditions (e-charging station) and development of models for central monitoring, analysis and sharing of key traffic information (e-signs and e-crossings).
2.	**SMART CITY MODESTY** – Real-time data collection with the aim of obtaining the most relevant sample of data for research purposes.
3.	**SMART CITY LIVING** – Direct connection of the project with citizens and life in the city and the movement of residents and visitors.
4.	**SMART CITY ENERGY AND ENVIRONMENT** – Protecting the environment and maintaining the quality of life of citizens through sustainable management of natural resources by introducing new technological solutions.
5.	**SMART CITY CONNECTED TRAFFIC** – Establish an integrated system to support decision-making in urban transport and mobility.
6.	**SMART CITY 4DII** – More efficient infrastructure management to reduce costs, attract investment and provide the best possible service to customers.

The project Centre of Competencies for Smart Cities (CECOM) is the result of a joint application and elaboration of six research and development projects by 20 partners on the basis of the call Support for the Development of Competence Centres at Operational Programme Competitiveness and Cohesion 2014-2020. The aim of launching CECOM is to create a regional center whose activities will be work on joint innovative development and research projects.

The thematic area of the project includes "Transport and Mobility" within the Smart Specialization Strategy, which involves a systematic and innovative approach to the development of the city, the management of its resources, processes and services using new technologies, which increases the quality of life of citizens and visitors, while enabling smart decision-making and management, as well as increased efficiency in terms of planning and achieving savings.

The Faculty of Maritime Study in Rijeka participates in the project Connected Traffic within CECOM. The Connected Traffic project aims to improve the quality of life of citizens by establishing better solutions in urban and multimodal transport and promoting and supporting sustainable, clean and energy-efficient transport modes. Some of the measures the project works with are managing mobility according to specific needs and influencing transport behavior. The objective of the project is to study, elaborate and implement energy efficiency measures in urban transport, the application of which would lead to a reduction in primary energy consumption and a reduction in emissions of carbon dioxide and other harmful

Europska unija "Zajedno do fondova EU" EUROPSKI STRUKTURNI I INVESTICIJSKI FONDOVI Operativni program KONKURENTNOST I KOHEZIJA
Projekt je sufinancirala Europska unija iz Europskog fonda za regionalni razvoj.

gasses, thus ensuring the sustainability of the urban transport system. These measures can be implemented through the establishment of an advanced information and communication system to support transport decisions.

The research and development activities will define elements of the overall decision support system for smart cities with the possibility of application to transportation. The result of the research and development will be the elaborated concept and experimental development of the concept of data aggregation platform in the function of decision-making in urban transport and urban mobility, then the elaborated concept and experimental development of solutions for monitoring and management systems in the function of decision-making in urban transport and urban mobility, the elaborated concept and experimental development of the technological solution of the use and exchange of resources, infrastructure and property in the field of transport using the paradigm of the sharing economy , elaborated concept and experimental development of the concept of advanced analytical solutions to increase safety within smart cities and finally the development of the technological concept and experimental development of an integrated system to support decision-making in urban transport and urban mobility.

The data aggregation platform will collect, process and provide all available information about the transportation system. The ultimate goal of the research and development is the implementation of a complete integrated system that includes a system for monitoring and management in the function of decision making in urban transport, focusing on services and organizations whose activity is related to transport, but also the possibility of wider use of the system in the function of smart cities.

ADDITIONAL INFO:

Project team members:
Associate professor Siniša Vilke - Manager – Traffic analyst and planner
Associate professor Neven Grubišić - Traffic analyst and planner
Assistant professor Jasmin Ćelić - Traffic analyst and planner
Full professor Svjetlana Hess - Traffic analyst and planner
Associate professor Biserka Draščić Ban - Traffic analyst and planner
Associate professor Borna Debelić - Traffic analyst and planner
Frane Tadić, mag. ing. traff. - Traffic Engineer
Ines Ostović, mag. ing. traff. - Traffic Engineer

Europska unija "Zajedno do fondova EU"
EUROPSKI STRUKTURNI I INVESTICIJSKI FONDOVI
Operativni program KONKURENTNOST I KOHEZIJA
Projekt je sufinancirala Europska unija iz Europskog fonda za regionalni razvoj.