



University of Rijeka, Faculty of Maritime studies

PROJECT ACRONYM AND TITLE: Proof of an Innovative Concept of Using Computer Vision for the Detection and Recognition of Marine Vessels in Nautical Tourism Ports (NPOO.C3.2.R3-I1.01.0124)

FUNDING PROGRAMME: Operational program NPOO: Call for the allocation of grants "Proof of Innovative Concept", C3.2.R3-I1.01

PERSON RESPONSIBLE: Prof. Edvard Tijan, PhD

FINANCIAL DATA

Project total cost	Overall funding assigned to PFRI
65.505,45 EUR	61.669,22 EUR

SUMMARY

The project aims to prove the technical feasibility of a concept that consists of collecting and preparing a dataset and applying a computer vision system based on machine learning algorithms for the detection and recognition of marine vessels for the purpose of monitoring the intensity of traffic in nautical tourism ports. This solves the observed problem where management and control decisions are based solely on conventional techniques that involve manual data processing and require the use of significant human, financial, and time resources, and are prone to errors. There is no commercial product based on the proposed concept, and the project carries a significant technological risk.

Start date	End date
29/03/2024	28/03/2025

PARTNERSHIP

No.	Partner organization	Country	Role
1.	UNIVERSITY OF RIJEKA, FACULTY OF MARITIME STUDIES	Croatia	Lead partner
2.	TERA TEHNOPOLIS Ltd	Croatia	Partner

WEBSITE:

ADDITIONAL INFO:

PFRI project team members:

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- Assoc. Prof. Saša Aksentijević, PhD
- Assist. Prof. Nikola Lopac, PhD
- Tomislav Krljan, MSc