



University of Rijeka, Faculty of Maritime studies

PROJECT ACRONYM AND TITLE: Cyber security, resilience and sustainability in the maritime industry

FUNDING PROGRAMME: Scientific-Research Project Initiatives of the University of Rijeka (ZIP UNIRI)

PERSON RESPONSIBLE: Assoc. prof. Jasmin Ćelić, PhD.

FINANCIAL DATA

Project total cost	Overall funding assigned to PFRI
11.002,72 €	11.002,72 €

SUMMARY

The maritime industry plays a key role in the global supply chain. Advanced digital technologies bring significant economic benefits to ports and shipowners, but at the same time increase the risks of cyber threats and attacks. The project aims to provide guidelines and examples of good practice that will help in the effective implementation of cyber risk assessment, cyber resilience and cyber sustainability where many face daily and increasingly pronounced challenges. The fact is that the interconnection of ports requires operators to achieve and maintain a baseline level of cyber security to ensure security across the entire port ecosystem. The development of new technologies in areas such as the Internet of Things, cloud computing, artificial intelligence, etc. contributes to the fact that monitoring and control systems in the maritime industry are becoming increasingly exposed to cyber threats and various forms of cyber attacks. The connection of vessels with systems on land in real time is certainly necessary in order to achieve all the set goals in the digital transformation of the maritime industry. There are more and more ship and port systems that base their work on specific software solutions. With the adoption of new operational technologies (OT) and information technologies (IT), the desire for more efficient supply chains and operations of shipping companies in general has been realized, but at the same time the level of cyber security has decreased.

The research results aim to encourage port operators and shippers to develop a series of good practices in order to develop an appropriate level of cyber security, resilience and sustainability.

Start date	End date
01.06.2023.	31.05.2026.

WEBSITE: -

ADDITIONAL INFORMATION:

Members of the project team:

- Jasmin Ćelić, *Faculty of Maritime Studies, University of Rijeka*
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