

6. March 2025



# EDF & Arctur d.o.o.

Andrej Košiček, Project Manager

# Our competences

## Creativity and Innovation

Beauty of merging research, science, art and business is in minds thinking and working as one.

## Project management

Is what drives our organisation through constant progress and growth while being able to tackle and successfully execute operations no matter their scale and complexity.

## HPC & DC management

Exceptional Cloud and HPC services on our own cutting-edge infrastructure with a team of experienced engineers.

## Software design and development

Profound understanding and in-depth knowledge in complex IT software design and development enables us to innovate and always stay one step ahead.

Since 1992...



# Management standards

At Arctur, we hold ourselves to the highest standard of excellence in all aspects of our daily operations.

**ISO 9001**  
Quality management system

**ISO 27001**  
Information security, cybersecurity and privacy protection

**ISO 14001**  
Environmental management system

**ISO 13485**  
Medical devices

# AI4DEF (2021 – 2024), EDIDP

## AI in Defence : to be better and faster than the opponent

Artificial intelligence as a tool for better utilization of large amounts of data and for speeding up decision-making

partners:

- 10 EU states, 21 partners
- 19 companies (Airbus, Leonardo, ...)
- 2 universities (Muenchen, Aalborg)
- Arctur brought expertise in AI and high-performance computing, as well as in designing complex user interfaces

<https://ai4def.com/>

 Co-funded by  
the European Union



European  
Commission

EUROPEAN DEFENCE INDUSTRIAL  
DEVELOPMENT PROGRAMME

# MIMA NG (2024 – 2027), EDF

**Revolutionizing military avionics by introducing a new era of integrated modular avionics tailored to military airborne platforms.**

The project focuses on:

- identifying needs for next-generation military integrated modular avionics
- identifying new high-level architecture principles for multi-domain operations and security
- key Technologies for future architecture solutions

Areas:

- Artificial Intelligence
- High Performance Computing



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DEFENCE  
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# CARMENTA PF (2024 – 2027), EDF

**Design, prototype, and test a new generation system that will increase the survivability of fixed wing and rotary wing aircraft**

The system will:

- be able to face a wide and heterogeneous spectrum of current and evolving threats in the operational area
- to select the proper reaction mode

Areas:

- Artificial Intelligence
- High Performance Computing



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# EU and National Projects



## Projects

Search  

**Ongoing projects** Completed projects

 FORTISSIMO PLUS	 D3HUB	 cross-re-tour	 EXCELLERAT
<b>FFplus (Fortissimo Plus)</b> Digital Europe Programme  Driving SME and Startup innovation by unleashing the potential of HPC and generative AI	<b>D3HUB</b> EISMEA  Tourism of Tomorrow Data-Driven Destinations Hub	<b>Cross Re-Tour</b> COSME  Breaking silos in the tourism industry: cross domain open innovation supporting the twin transition for SMEs	<b>Excellerat P2</b> Horizon Europe  The European Centre of Excellence for Engineering Applications
 CLASSICA	 3D-4CH Competence Centre	 Co-funded by the European Union	
<b>CLASSICA</b> Horizon Europe  Validating AI in classifying cancer in real-time surgery.	<b>3D-4CH</b> Digital Europe Programme  Online competence centre in 3D for Cultural Heritage	<b>XRCulture</b> Digital Europe Programme  eXplore & Reuse 3D cultural heritage within the Data Space	<b>NG-MIMA</b> European Defence Fund  Next Generation Military Integrated Modular Avionics
	 Phoenix 4.0	 TREADS Energy and Digital Transformation in the Tourism Sector	 DEPLOYTOUR European Tourism Data Space

Partial screenshot from Arctur's website

Thank you!