

GARUDA

reconfiGurable Autonomous collaboRative Unmanned Aircraft

SELECTED PROJECTS EUROPEAN DEFENCE FUND (EDF) 2024

CALL TITLE:

Research actions on air combat

TOPIC TITLE:

Unmanned collaborative combat aircraft (U-CCA) systems

DURATION OF THE PROJECT:

36 Months

TYPE(S) OF ACTIVITIES:

Studies, Design

ESTIMATED TOTAL COST:

€ 9,576,495.50

MAXIMUM EU CONTRIBUTION :

€ 9,576,495.50



SHORT DESCRIPTION OF THE PROJECT:

The project aims to establish the foundational architecture for unmanned collaborative combat aircraft (U-CCA) systems capable of evolving with the dynamic and long-term operational needs of EU defence forces.

An innovative design-and-simulate process involving incremental iterations between system design and operational simulation is used to design the U-CCA as a versatile platform, providing a fleet of design variants centred around a common core. This disruptive approach will guarantee the long-term adaptability and relevance of the U-CCA platform as it will facilitate the rapid development of new specialised variants as operational requirements and needs evolve.



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**Members of the consortium and
country of establishment:**

 NAME OF THE ENTITY	 COUNTRY
OFFICE NATIONAL D'ETUDES ET DE RECHERCHES AEROSPATIALES (Coordinator)	France
AERO VODOCHODY AEROSPACE AS	Czechia
CYBERNETICA AS	Estonia
DATA MACHINE INTELLIGENCE SOLUTIONS GMBH	Germany
GLOBAL DESIGN TECHNOLOGY	Belgium
GRAFREN AB	Sweden
PIDSO -PROPAGATION IDEAS & SOLUTIONS GMBH	Austria
PRVNI BRNENSKA STROJIRNA VELKA BITES AS	Czechia
XYSENSING SPOLKA Z OGRANICZONA ODPOWIEDZIALNOSCIA	Poland

