AIR, SYSTEMS

(IT) Counter Unmanned Aerial System (C-UAS)

(established in November 2018)

For Public Release

PROJECT DESCRIPTION

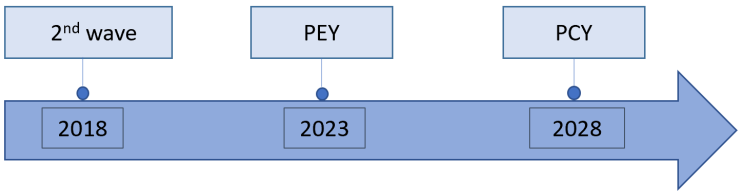
The project focuses on finding the criteria and requirements for the development of a modular, scalable and flexible cluster by a combination of active and passive sensors, kinetic and not kinetic effectors and an efficient C2 system to detect and defeat all the class I of drones (according to the NATO classification), both for the fixed sites as well as with the "On The Move" (OTM) capability. In addition, the integration of the counter UAS system into a IAMD network will be considered.

OBJECTIVES/PRODUCTS

The project's objective is to develop an advanced and efficient system of systems with C2 dedicated architecture, modular, integrated and interoperable, able to counter the threat posed by the class I Unmanned Aerial Systems. The system will be able to protect troops in operational theatres while moving and fighting (On The Move capability), as well as defending critical infrastructures for homeland security tasks. For fostering the project, the EU partners could take into consideration the technical and industrial solutions identified in the ongoing Italian programmes on C-UAS and evaluate to join it.

INDICATORS

Project Execution Year (PEY) and Project Completion Year (PCY):



DELIVERABLES ACHIEVED

- Concept of Employment (CONEMP) of C-UAS system (July 2021)
- C2 of C-UAS system Key Performance Parameters (KPPs) definition (May 2022)
- Sensors Key Performance Parameters (KPPs) definition (June 2022)
- Actuators Key Performance Parameters (KPPs) definition (October 2022)

CRITERIA FOR SUCCESS

- Implementation of all KPPs (requirements) of the C-UAS system for OTM capability.
- Operational prototype realization.

IT, CZ, SE

BE, DE, EL, ES, FI, FR, HU, IE, LT, NL, PL, PT

IDEATION
INCUBATION
EXECUTION
CLOSING

Contribution to the more binding commitments

Yes

Capability Perspective

EU CDP priority
Air Superiority

CARD references
Counter-UAS as initial Focus of A2/AD Focus Area

Operational Viewpoint

HICG
Surface Based Air& Missile Defence

EDA support

No