

AIR

(IT) Rotorcraft Docking Station for Drones (RDSD)

(Established in November 2021)

For Public Release

PROJECT DESCRIPTION

Provide the MoDs with a new capability, that will enhance rotorcraft effectiveness and survivability, through the development of a system capable to launch, operate, and recover large numbers of small (mini-micro) Unmanned Air Systems (UASs) from rotorcraft platforms. The coordinated, distributed capabilities could provide improved operational flexibility.

The short-term objective is to develop and produce a docking system designed for rotorcraft, capable of launching and retrieving for reuse mini-micro UASs (used as sensors and/or weapons).

OBJECTIVES/PRODUCTS

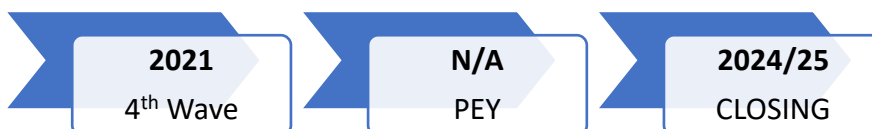
The system will allow Teaming & Interoperability between Manned rotorcraft and Unmanned vehicle enabling the following:

- Launching of small (mini-micro) drones (expendable and attainable).
- Managing swarms of drones.
- Recovering small (mini-micro) drones.

The rotorcraft docking station will expand the potential uses of unmanned air vehicles, enhance their range and will permit the sharing of information at low altitude and short range. Overall, the system, when implemented, will increase the effectiveness of the rotorcraft.

INDICATORS

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



NOTE: The project is under assessment

DELIVERABLES ACHIEVED

- No deliverables achieved yet.

CRITERIA FOR SUCCESS

- To be defined in coordination with partners.



IT, FR



DE, LT, NL, SI

IDEATION
INCUBATION
EXECUTION
CLOSINGContribution to the
more binding
commitments

Yes

Capability
Perspective

EU CDP priority

Airborne Command
and Inform
Capabilities
Space Operations

CARD references

Tactical Remotely
Piloted Aerial
Systems (RPAS)

EDA support

No