

AIR

(ES) Next Generation Small RPAS (NGSR)

(Established in November 2021)

For Public Release

PROJECT DESCRIPTION

The project intends to develop a tactical UAS to be used at ground, maritime, air and special force operations, as well as non-military agencies such as border control, law enforcement or disaster management. The UAS can be operated remotely or on pre-programmed autonomous routes, can be expendable or recoverable, and can carry a lethal or nonlethal payload. The system provides multi-role capability on demands, including real-time situational awareness, communications, ISR, targeting acquisition and BDA, EW and armed response.

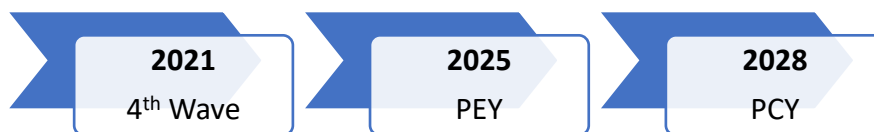
OBJECTIVES/PRODUCTS

This project aims to develop the next generation of tactical UAS. The design characteristics and expected performance provide potential use for tactical Army units (Brigade/Division size), for Maritime and Air domain, as well as for dual use (civilian/defence), namely by law enforcement organizations or disaster/emergency agencies. A multi-purpose/multi-role system to provide tactical commanders with a wide multiplicity of tools. This UAS will possess capabilities to deploy, operate, and employ autonomous behaviors to reduce pilot and operator workload.

The system will be able to deploy, take-off, land and operate in a tactical environment without a runway. Technology advancements will allow an open architecture, autonomy, modularity, and interoperability to maximize system effectiveness. Standards and interface specifications need to be established to achieve modularity, commonality, and interchangeability across payloads, control systems, video/audio interfaces, data, and communication links. This openness will allow different countries, services and civilian agencies to use it.

INDICATORS

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



DELIVERABLES ACHIEVED

- Terms of Reference (ToR).
- Common Staff Targets (CST).
- Common Staff Requirements (CSR).

CRITERIA FOR SUCCESS

- Participants' acquisition of a Small Remotely Piloted Platform in accordance with the objectives of the project, thus requiring a common effort in the definition of requirements, a common financial framework, the collaboration of European Industry, and the harmonization of the lines that support the development of a capability.



ES, HU, PT, RO, SI

AT, DE, EL, FR, IE,
NL, SK, SEIDEATION
INCUBATION
EXECUTION
CLOSINGContribution to
the more binding
commitments
YesCapability
Perspective

EU CDP priority
Future Soldier
Systems
Naval Combat and
Maritime
Interdiction
Maritime Domain
Awareness
Airborne
Command and
Inform
Capabilities

CARD references
Tactical Remotely
Piloted Aerial
Systems (RPAS)

Operational
ViewpointHICG
Land ISTAR

EDA support

Yes

Ah hoc Cat.B
support