

LAND, FORMATIONS

(EE) Integrated Unmanned Ground System (iUGS)

(established in November 2018)

For Public Release

PROJECT DESCRIPTION

The project will develop a UGS capable of manned-unmanned and unmanned-unmanned teaming with other robotic unmanned platforms and manned vehicles to provide combat support (CS) and combat service support (CSS) to ground forces. The outcome of the development will be an integrated system of manned vehicles in combination with unmanned ground and air vehicles with different payloads, sensors and mission capabilities.



EE, BE, CZ, DE, ES,
FI, FR, LV, NL, PL



EL, IT, SE, HU



IDEATION
INCUBATION
EXECUTION
CLOSING

OBJECTIVES/PRODUCTS

The objective of the project is to develop a Modular Unmanned Ground System with following capabilities: a) Modular, multi-mission-capable UGV on which a variety of payloads can be mounted to support various mission functionalities (transport, fire-support, ISR, EW&C, etc.) and integration for required sensors and communication systems; b) EW resistant networking Command, Control & Communications (C3) solution; c) Cyber secure autonomous functions solution.



Contribution to
the more binding
commitments

Yes



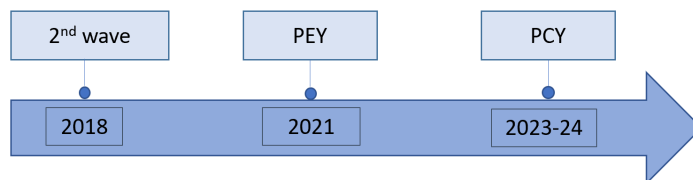
Capability
Perspective

EU CDP priority
Ground Combat
Capabilities

CARD references
Unmanned
Ground Systems

INDICATORS

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



DELIVERABLES ACHIEVED

- Memorandum of Understanding
- Prototype
- Demonstration



Operational
Viewpoint

HICG
Land
Intelligence,
Surveillance,
Target Acquisition
& Reconnaissance
(ISTAR)

CRITERIA FOR SUCCESS

- Create a system of manned vehicles in combination with unmanned ground and air vehicles with different payloads, sensors and mission capabilities for the use of all pMS.
- Successful completion of studies, design, prototyping and testing of an integrated modular UGS platform by 2023 with an architecture that can become a standard for the follow-on projects.



EDA support

No