

AIR, SYSTEMS

(IT) Integrated Multi-Layer Air and Missile Defence System (IMLAMD)

(established in May 2023)

For Public Release

PROJECT DESCRIPTION

Newest and future battle scenarios analysis confirm the requirement for complex, fully integrated, multi-layered Ground Based Air and Missile Defense systems, capable to counter an increasing variety of threats and flexible enough to implement different missions.



IT, FR, HU, SE



DE, EL, NL, PT



IDEATION
INCUBATION
EXECUTION
CLOSING



Contribution to
the more binding
commitments
Yes



Capability
Perspective

CDP priority
Anti Access Area
Denial (A2/AD)
Capability

CARD references
Medium and
Long-Range
Ground Based Air
and Missile
Defence



Operational
Viewpoint

HICG
Surface Based Air
and Missile
Defence



EDA support

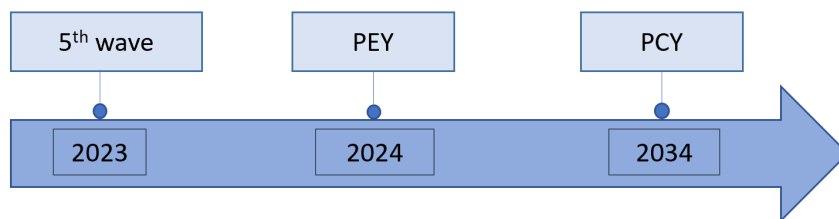
No

OBJECTIVES/PRODUCTS

Provide an innovative concept for future IAMD and mature the new features of the Battle Management, Command, Control, Communication, Computer, Intelligence (BMC4I) module, required for the new IAMD architecture. Furthermore, a dedicated Test Bed will validate the main features and demonstrate the overall architecture. Furthermore a dedicated Test Bed will validate the main features and demonstrate the overall architecture In the Integrated Multi-layer Air and Missile Defense System architecture, each Module (Major End Item originally enslaved to a specific System) will now will be able: to operate in a coordinated hierarchical way and in a “distributed” way; to use a variety of effectors and sensors in order to assure the maximum level of efficiency. The Timeline is reported in Section B, Capability Perspective.

INDICATORS

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



DELIVERABLES ACHIEVED

1. No deliverables achieved yet
2. To be achieved:
 - Output 1: Battle Lab Simulation and Report
 - Output 2: Initial BMC6I + legacy Radars and Launchers to undergo System Demo
 - Output 3: BLOCK 1 based on “Integration Kits”
 - Output 4: BLOCK 2 based on “Integration Kits”
 - Output 5: Delivery of IMLAMD «Universal» HW&SW P&F Interface + final BMC6I



CRITERIA FOR SUCCESS

- Unified CONOPS; CONEMP; CONUSE across Europe.
- Qualified and skilled personnel to work together.
- CONOPS, CONEMP, CONUSE demonstrated in the Test Bed.