

LAND, FORMATIONS

(EL) Main Battle Tank Simulation and Testing Centre (MBT-SIMTEC)

(established in November 2021)

For Public Release

PROJECT DESCRIPTION

Even though the rapid development of technology has led to state-of-the-art solutions, the main battle tank (MBT) remains the fundamental weapon of the mounted warfare, especially against hostile MBTs and other heavily armored threats. In this context, Greece, as the biggest operational user of MBTs in the European Union (EU) and the biggest operational user of LEO MBTs worldwide, possesses the suitable facilities and all the required experience and personnel to conduct the demanding and highly important task of a successful MBT simulation. Contributing significantly to the development of EU's capabilities in the mounted warfare domain and especially in the "MBT Focus Area", Greece proposes the creation of a Main Battle Tank Simulation and Testing Centre (MBT-SIMTEC).

OBJECTIVES/PRODUCTS

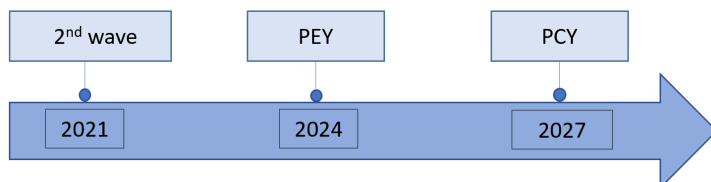
The project aims at developing a MBT simulation centre, which through practical training and testing on various tank simulators, will in short term, provide training and practice via LEO 2HEL (A6+), LEO 2A4, LEO 1A5 and M901 ITV simulation systems; practice and testing of new MBT tactics in mounted warfare; and new doctrines for the tactical use of MBTs in future operational and tactical environments.

In mid-term, it will facilitate networking of the Hellenic Armor Simulation Centre with existing Training Simulation Facilities of EU Member States or Third Parties (ex. US Army, Swiss Army); define main and secondary specifications on the development of new subcomponents in MBT fire control, weapon, Command-Control-Communications-Computers and Information systems (C4I), situational awareness, decision aiding and protection systems; and create a Manoeuvre Excellence Laboratory in order to enhance and promote development of new Doctrines, Tactics, Techniques and Procedures (TTPs) based on the Maneuverist Approach as well as interoperability of the EU Armoured Forces.

In long-term, it will produce a modular MBT simulation system based on COTS hardware equipment and software facilitated by Artificial Intelligence (AI), while also creating a mechanism/instrument (tool) for providing solutions over shortfalls that may occur in future platforms.

INDICATORS

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



DELIVERABLES ACHIEVED

- Harmonization of Requirements
- Overall project roadmap produced
- Critical components of infrastructure identified (constructive simulation software, systems to be upgraded)



EL, CY



CZ, ES



IDEATION
INCUBATION
EXECUTION
CLOSING



Contribution to
the more binding
commitments
Yes



Capability
Perspective

EU CDP priority
Ground Combat
Capabilities

CARD references
Main Battle Tanks
Focus Area



Operational
Viewpoint

HICG
N/A



EDA support
No

CRITERIA FOR SUCCESS

- Provide a common simulation training and exercise for the EU pMS in coherence with NATO.
- Provide a mechanism for testing existing and future doctrine/tactics in MBT use in mounted warfare.
- Provide a mechanism for testing existing and future MBT platforms at system/subsystem level.
- Harmonize doctrine, tactics, procedures and drills in the use of the MBT in mounted warfare among the EU member States.
- Design and develop a modular MBT simulation system based on COTS hardware equipment and software and/or facilitated by Artificial Intelligence.
- Contribute to the development of a common European MBT operational culture.