BATTLEVERSE

A Human-Centred MSaaS Ecosystem for Enhanced Mission Planning and Execution via Battlefield Modelling, Adversarial AI, and Multi-domain Simulation Environments

SELECTED PROJECTS EUROPEAN DEFENCE FUND (EDF) 2024

CALL TITLE:	**Research actions on simulation and training**
TOPIC TITLE:	**Methods for bridging reality gaps**
DURATION OF THE PROJECT:	**36 Months**
TYPE(S) OF ACTIVITIES:	**Generating knowledge, Integrating knowledge, Studies, Design**
ESTIMATED TOTAL COST:	€ 14,999,667.81
MAXIMUM EU CONTRIBUTION :	€ 14,999,667.00

SHORT DESCRIPTION OF THE PROJECT:

BATTLEVERSE envisions bridging real and virtual battle environments to support dynamic and effective mission planning and execution, through multi-domain simulations.

Leveraging AI-driven scenario generation and reinforcement learning, BATTLEVERSE will enable the virtual execution of complex mission scenarios, delivering actionable insights into battlefield dynamics and improving response times. It will provide commanders with an interactive virtual battlespace enriched by digital twins of battle assets, landscapes, and weather for precise testing of multiple courses of action and to simulate potential enemy responses.

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Members of the consortium and country of establishment:

NAME OF THE ENTITY	COUNTRY
ETHNIKO KENTRO EREVNAS KAI TECHNOLOGIKIS ANAPTYXIS (Coordinator)	Greece
AIT AUSTRIAN INSTITUTE OF TECHNOLOGY GMBH	Austria
AKMON - SYMVOULOI EPICHEIRISEON - ANTIPROSOPEIES, EMPORIKI, EXAGOGIKI - EISAGOGIKI, KATASKEVASTIKI KAI VIOMICHANIKI ANONYMI ETAIREIA	Greece
COMMISSARIAT A L ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES	France
CONSULTORES DE AUTOMATIZACION Y ROBOTICA SA	Spain
CS GROUP-FRANCE	France
GUARDIARIS, RACUNALNISKE APLIKACIJE IN SIMULACIJE D.O.O	Slovenia
IANUS TECHNOLOGIES LTD	Cyprus
IDRYMA TECHNOLOGIAS KAI EREYNAS	Greece
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INESC TEC - INSTITUTO DE ENGENHARIADE SISTEMAS E COMPUTADORES, TECNOLOGIA E CIENCIA	Portugal
K3Y	Bulgaria
KONGSBERG DEFENCE & AEROSPACE AS	Norway
MBDA ITALIA SPA	Italy
NAVAL GROUP	France

Members of the consortium and country of establishment:

NAME OF THE ENTITY	COUNTRY
RHEINMETALL ELECTRONICS GMBH	Germany
SAFRAN ELECTRONICS & DEFENSE	France
STARBURST GMBH	Germany
TEKNOLOGIAN TUTKIMUSKESKUS VTT OY	Finland
THALES SIX GTS FRANCE SAS	France
UNIVERSIDAD POLITECNICA DE MADRID	Spain
UNIVERSITY OF MACEDONIA	Greece
UNIVERZA V LJUBLJANI	Slovenia
YPOURGEIO ETHNIKIS AMYNAS	Greece

More information about the
European Commission's support
for the Defence Industry