



VERTIgO |

Virtual Enhanced Reality for inTeroperable training of CBRN military and civilian Operators

SELECTED PROJECTS EUROPEAN DEFENCE INDUSTRIAL DEVELOPMENT PROGRAMME (EDIDP) 2020

CALL TITLE:	Simulation and virtualisation tools and equipment for training, exercises, systems design, development and integration, testing and validation
TOPIC TITLE:	Modelling, simulation and virtualisation tools and equipment for training, exercises, systems design, development and integration, as well as testing and validation
DURATION OF THE PROJECT:	24 months
TYPE(S) OF ACTIVITIES:	Study; Design; Prototyping
TOTAL COST:	€ 2,736,631.55
MAXIMUM EU CONTRIBUTION:	€ 2,598,416.20

MEMBERS OF THE CONSORTIUM AND COUNTRY OF ESTABLISHMENT:

NAME OF THE ENTITY	COUNTRY
ASSOCIAZIONE SAFE (COORDINATOR)	Italy
AIT AUSTRIAN INSTITUTE OF TECHNOLOGY GMBH	Austria
ALThERIA SOLUTIONS	Belgium
ENEA AGENZIA NAZIONALE PER LE NUOVE TECNOLOGIE; L'ENERGIA E LO SVILUPPO ECONOMICO SOSTENIBILE	Italy
FONDAZIONE LINKS - LEADING INNOVATION & KNOWLEDGE FOR SOCIETY	Italy
ISTITUTO AFFARI INTERNAZIONALI	Italy
JOINT NBC DEFENCE SCHOOL	Italy
MESTEL SAFETY SRL	Italy
UNIVERSITÀ DEGLI STUDI DI ROMA TOR VERGATA	Italy

SHORT DESCRIPTION OF THE PROJECT:

VERTIgO will develop a simulation platform for military CBRN training, which integrates a Virtual Reality headset and a CBRN mask for enhanced realism.

The project "Virtual Enhanced Reality for inTeroperable training of CBRN military and civilian Operators" (VERTIgO) supports an integrated approach to conflicts and disaster relief by virtualization and simulation of CBRN (chemical, biological, radiological and nuclear) defence training. The project's overall objective is the validation of a European Exercise Simulation Platform (EESP) for virtual reality (VR) applications to CBRN training, complemented by the prototyping of an ad-hoc hardware solution, which integrates a VR headset and CBRN mask for enhanced realism and user experience.

Related PESCO project: Chemical, Biological, Radiological and Nuclear (CBRN) Defence Training Range (CBRNDTR)

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