

GENIUS

next GEneration of IA and combat cloud systems for Neutralization of Unexploded threatS

SELECTED PROJECTS EUROPEAN DEFENCE FUND (EDF) 2023

CALL TITLE:

Research actions on force protection and mobility

TOPIC TITLE:

Defeating unexploded explosive ordnances and IEDs

DURATION OF THE PROJECT:

36 months

TYPE(S) OF ACTIVITIES:

Generating knowledge, Integrating knowledge, Studies, Design

ESTIMATED TOTAL COST:

€ 24,960,302.47

MAXIMUM EU CONTRIBUTION :

€ 24,960,301.42



SHORT DESCRIPTION OF THE PROJECT:

GENIUS aims to improve improvised explosive device (IED) and unexploded explosive ordnance (UXO) mine counter technologies to deal with new and evolving threats.



The project will study and design solutions to increase the accuracy of UXO/IED explosive detections. The inclusion of new technologies, sensors for detection, set of effectors, including a UGV for neutralisation and handling, will significantly improve IED and UXO mine counter technologies to deal with new and evolving threats. This will reinforce EU armed forces capabilities in countering UXO/IED threats and increase the independence and competitiveness of the EU defence market.

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**Members of the consortium and
country of establishment:**



 NAME OF THE ENTITY	 COUNTRY
GMV AEROSPACE AND DEFENCE SA (Coordinator)	Spain
AALBORG UNIVERSITET	Denmark
AIRBUS DEFENCE AND SPACE GMBH	Germany
APPLIED INTELLIGENCE ANALYTICS LIMITED	Ireland
AUREA AVIONICS	Spain
BARCELONA SUPERCOMPUTING CENTER CENTRO NACIONAL DE SUPERCOMPUTACION	Spain
C&V CONSULTING	Belgium
ECOLE ROYALE MILITAIRE - KONINKLIJKE MILITAIRE SCHOOL	Belgium
EVIDEN GERMANY GMBH	Germany
FRAUNHOFER GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG EV	Germany
HRVATSKI CENTAR ZA RAZMINIRANJE-CENTAR ZA TESTIRANJE RAZVOJ I OBUKU DOO	Croatia
INSTITUTO NACIONAL DE TECNICA AEROESPACIAL ESTEBAN TERRADAS	Spain
MBDA DEUTSCHLAND GMBH	Germany
NUMALIS	France
SPACE APPLICATIONS SERVICES NV	Belgium

**Members of the consortium and
country of establishment:**



NAME

OF THE ENTITY



COUNTRY

UNIVERSITAET DER BUNDESWEHR MUENCHEN

Germany

UNIVERSITAET ULM

Germany

XENOMATIX

Belgium

