

AIDED

Emerging Game Changers

PADR-FDDT-EMERGING-03-2019

NAME OF THE PROJECT Artificial Intelligence for the detection of explosives devices

SHORT NAME AIDED

GRANT AGREEMENT NUMBER 884866

OBJECTIVE OF THE PROJECT

This project is about the use of Artificial Intelligence for the detection of explosive devices. The armed conflicts in Afghanistan, Iraq or Syria have seen a dramatic rise in the use of Improvised Explosive Devices (IEDs) and landmines by adversaries. In operations in those countries, 50% of soldier deaths in action are directly related to IEDs. AIDED will use a set of state of the art Artificial Intelligence (AI) algorithms able to identify unconventional (IEDs) and conventional (buried mines) explosive devices, and autonomously plan offline and run-time missions plans. It will also provide positioning, navigation and mapping to control a fleet of robots that cooperate quickly to identify a safe passage in a highrisk area.

PROJECT DURATION 24 months

STARTING DATE 1 October 2021

EU GRANT € 1.546.000

LIST OF PARTICIPANTS (subject to finalisation of the grant agreement preparation)

#	NAME OF THE ENTITY	COUNTRY
1	SPACE APPLICATIONS SERVICES NV	Belgium
2	CITY UNIVERSITY OF LONDON	UK
3	ECOLE ROYALE MILITAIRE - KONINKLIJKE MILITAIRE SCHOOL	Belgium
4	SPECTRAL INDUSTRIES BV	The Netherlands
5	SPH ENGINEERING	Latvia