European Commission

European Union

AIDED

Emerging Game Changers

PADR-FDDT-EMERGING-03-2019 SUBTOPIC – ARTIFICIAL INTELLIGENCE

NAME OF THE PROJECT	**Artificial Intelligence for the detection of explosives devices**
SHORT NAME	**AIDED**
GRANT AGREEMENT NUMBER	**tbc**

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 high-risk area.

PROJECT DURATION	**24 months**
STARTING DATE	**3rd quarter 2020**
REQUESTED EU CONTRIBUTION	**€ 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

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