LODESTAR

Live operational data enhancement for situational awareness through augmented reality

SELECTED PROJECTS EUROPEAN DEFENCE FUND (EDF) 2021

CALL TITLE:	**Open call dedicated to SMEs for research of innovative and future-oriented defence solutions**
TOPIC TITLE:	**Research on innovative and future-oriented defence solutions**
DURATION OF THE PROJECT:	**30 months**
TYPE(S) OF ACTIVITIES:	Integrating knowledge; Studies; Design
ESTIMATED TOTAL COST:	€ 3,740,721.32
MAXIMUM EU CONTRIBUTION :	€ 3,740,721.32

SHORT DESCRIPTION OF THE PROJECT:

LODESTAR will integrate augmented reality and artificial intelligence in modern, highly efficient soldier systems.

The project "Live operational data enhancement for situational awareness through augmented reality" (LODESTAR) will integrate augmented reality and artificial intelligence in modern, highly-efficient soldier systems. The final product will provide the interconnections between a helmet subsystem, a weapon subsystem, a torso subsystem and a set of tiny drones equipped with cameras to have an 'eye-in-the-sky'. It will be powered by a central battery pack carried in the torso zoned. The project builds on the reference architecture developed in the EU-funded project GOSSRA (by PADR) and uses relevant standards.

MEMBERS OF THE CONSORTIUM AND COUNTRY OF ESTABLISHMENT:

NAME OF THE ENTITY	COUNTRY
Embedded Acoustics BV (Coordinator)	Netherlands
ADOS-TECH	Lithuania
Baltic Institute of Advanced Technology	Lithuania
E&Q Engineering	Spain
Nexvision	France