European Commission

EUROPEAN DEFENCE FUND

MINEFIELD

Energy autonomous smart clothing to enhance soldier safety and connectivity in the battleground

SELECTED PROJECTS EUROPEAN DEFENCE FUND (EDF) 2023

CALL TITLE:	Research actions focused on SMEs and research organisations
TOPIC TITLE:	Non-thematic research actions by SMEs and research organisations
DURATION OF THE PROJECT:	42 months
TYPE(S) OF ACTIVITIES:	Generating knowledge, Integrating knowledge, Studies, Design
ESTIMATED TOTAL COST:	€ 3,197,495.39
MAXIMUM EU CONTRIBUTION :	€ 3,197,495.38

SHORT DESCRIPTION OF THE PROJECT:

MINEFIELD will develop e-textiles which will be able to generate power through movement.

MINEFIELD will develop e-textiles which will be able to generate (and store) power through movement and crucially cater for the power need initially for low-power consumption devices and sensors in soldier systems. Power production at this level can also provide dismounted soldier systems (DSS) with the minimal required functionality in case of emergency caused by battery depletion or DSS power system failure. The aim is to produce the flexible architectures for triboelectric nanogenerator in one step directly into relevant energy harvesting/storage devices.

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Members of the consortium and country of establishment:

NAME OF THE ENTITY	COUNTRY
ADAMANT AERODIASTIMIKES EFARMOGES ETAIREIA PERIORISMENIS EFTHYNIS (Coordinator)	Greece
BORN GMBH KNITWEAR FOR FASHION & ENGINEERING	Germany
IDRYMA TECHNOLOGIAS KAI EREVNAS	Greece
PLEIONE ENERGY GMBH	Germany
STRATIOTIKI SXOLI EVELPIDON	Greece
UNIVERSITE GUSTAVE EIFFEL	France

More information about the European Commission's support for the Defence Industry