

RAPTOR

Remote weAPon condition-based moniTORing System

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:

36 months

TYPE(S) OF ACTIVITIES:

Generating knowledge, Integrating knowledge, Studies, Design

ESTIMATED TOTAL COST:

€ 3,997,715.53

MAXIMUM EU CONTRIBUTION :

€ 3,997,715.53



SHORT DESCRIPTION OF THE PROJECT:

The goal of RAPTOR is to achieve predictive maintenance of firearms through a remote weapon condition-based monitoring system.

RAPTOR aims to achieve predictive maintenance of firearms involving end-users, tools, applications and technologies, constituting the low-cost remote weapon condition-based monitoring system. This will facilitate the follow up of operators engaged in critical missions and reduce the probabilities of weapons' failure through predictive maintenance and thereby increase their reliability and safety. The aim is to create a fully interoperable RAPTOR system with European Soldier Systems with embedded security by design.



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

 NAME OF THE ENTITY	 COUNTRY
ITTI SP ZOO (Coordinator)	Poland
AIMPLAS - ASOCIACION DE INVESTIGACION DE MATERIALES PLASTICOS Y CONEXAS	Spain
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EXUS SOFTWARE MONOPROSOPI ETAIRIA PERIORISMENIS EVTHINIS	Greece
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