

SENTINEL

System for Enhanced Threat detection, Interception and soft-kill Neutralisation of Lethal drones

SELECTED PROJECTS EUROPEAN DEFENCE FUND (EDF) 2024

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:

€ 3,719,550.00

MAXIMUM EU CONTRIBUTION :

€ 3,719,550.00



SHORT DESCRIPTION OF THE PROJECT:

The project presents a novel very short-range air defence system (VSHORAD) solution using electromagnetic pulse (EMP) capable shells.

SENTINEL seeks to pioneer VSHORAD technology in the medium-calibre domain for anti-drone defence, offering a versatile and scalable system compatible with various military platforms. The EMP payload within the shell will create a high power EMP that disables uncrewed aerial systems by destroying their electronic or electrical circuits within a sphere of a few meters from the detonation. It is highly scalable with a firing rate of at least 50 rounds per minute, overcoming the limitations of existing missile-based interceptor ground-to-air defence systems



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



 NAME OF THE ENTITY	 COUNTRY
EBOS TECHNOLOGIES LIMITED (Coordinator)	Cyprus
ASH D.O.O	Slovenia
ETHNIKO KAI KAPODISTRIAKO PANEPISTIMIO ATHINON	Greece
PANEPISTIMIO DYTIKIS ATTIKIS	Greece
SIGNALGENERIX LIMITED	Cyprus

