

ABBOT

Disruptive structural radar ABsorBing and EMI shielding
cOmposite Technologies

SELECTED PROJECTS EUROPEAN DEFENCE FUND (EDF) 2024

CALL TITLE:

Disruptive EDF research actions

TOPIC TITLE:

Non-thematic research actions targeting disruptive technologies for defence

DURATION OF THE PROJECT:

36 Months

TYPE(S) OF ACTIVITIES:

Generating knowledge, Studies

ESTIMATED TOTAL COST:

€ 3,973,862.36

MAXIMUM EU CONTRIBUTION :

€ 3,973,862.35



SHORT DESCRIPTION OF THE PROJECT:

ABBOT pioneers advanced radar-absorbing materials (RAM) and electromagnetic interference (EMI) shielding composites to meet the critical needs of modern defence systems.

The aim of the project is to integrate the most promising RAM into structural materials with advanced stealth properties, providing new solutions embedded at manufacturing stage. ABBOT addresses the urgent demand for materials that enhance stealth capabilities and protect equipment from disruptive EMI threats. The project's breakthrough idea lies in embedding RAM and EMI shielding properties directly into lightweight, durable composite structures, marking a departure from traditional techniques.



@defis_eu



#StrongerEurope
#EUDefenceIndustry

© European Union, 2025. Reuse of this document is allowed, provided appropriate credit is given and any changes are indicated.

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

 NAME OF THE ENTITY	 COUNTRY
ELLINIKO MESOGEIAKO PANEPISTIMIO (Coordinator)	Greece
ADDCOMPOSITES OY	Finland
FIBROLINE SA	France
FRAUNHOFER GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG EV	Germany
THALES	France
UNIVERSITAT DE VALENCIA	Spain
UNIVERSITAT POLITECNICA DE VALENCIA	Spain

