

EUROPEAN DEFENCE FUND

POINTER

European Commission

Photonic integrated coherent LIDAR with range and rate adaptability for early detection and precise locking on fast moving objects

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:	42 Months
TYPE(S) OF ACTIVITIES:	Generating knowledge, Integrating knowledge, Studies, Design
ESTIMATED TOTAL COST:	€ 3,990,471.33
MAXIMUM EU CONTRIBUTION :	€ 3,990,471.28

SHORT DESCRIPTION OF THE PROJECT:

The project's objectives include exploiting recent breakthroughs in photonic integration technology and electronics.

The aim of the project is to develop a disruptive light detection and ranging (LIDAR) technology that will combine the high-resolution aspect of cameras with the active and coherent nature of radars enabling high-resolution 4D imaging under any lighting or weather conditions. The project will provide the technology blocks for development of a compact frequency modulation continuous wave - light detection and ranging (FMCW - LIDAR) with versatile uses in defence applications.



#StrongerEurope #EUDefenceIndustry

///

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



SELECTED PROJECTS EUROPEAN DEFENCE FUND (EDF) 2024

Members of the consortium and country of establishment:	
OF THE ENTITY	COUNTRY
OPTAGON FOTONIKI IDIOTIKI KEFALAIOUCHIKI ETAIRIA (Coordinator)	Greece
ARGOTECH AS	Czechia
EVOELECTRONICS UNIPERSONALE S.R.L.	Italy
FRAUNHOFER GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG EV	Germany
SYSTHMATA YPOLOGISTIKIS ORASHS IRIDA LABS AE	Greece

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

