



Silfrared

Silicon-based materials for the short-wave infrared range

SELECTED PROJECTS EUROPEAN DEFENCE FUND (EDF) 2024

Disruptive EDF research actions
Non-thematic research actions targeting disruptive technologies for defence
48 Months
Generating knowledge, Studies, Design
€ 2,804,191.37
€ 2,804,191.36

SHORT DESCRIPTION OF THE PROJECT:

Silfrared create low-cost, high-resolution, and fast-response detectors for night vision applications.

Silfrared aims to develop a new technology for infrared photodetectors using supersaturated silicon and black silicon. The goal is to create low-cost, high-resolution, and fast-response detectors for night vision applications, providing the EU with a strategic advantage in surveillance and reconnaissance operations. This technology combines uncooled operation, high resolution, and fast response time with improved system size, weight, power consumption and cost requirements than other solutions.



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Members of the consortium and country of establishment:	>>>
OF THE ENTITY	COUNTRY
UNIVERSIDAD COMPLUTENSE DE MADRID (Coordinator)	Spain
ELFYS OY	Finland
FRICKE UND MALLAH MICROWAVE TECHNOLOGY GMBH	Germany
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More information about the European Commission's support for the Defence Industry

