

ECOSYSTEM

European COmon Supply chain for Sovereign T2SL and infrared Modules.

SELECTED PROJECTS EUROPEAN DEFENCE FUND (EDF) 2023

CALL TITLE:

Research actions for advanced passive and active sensors

TOPIC TITLE:

Optronics detector

DURATION OF THE PROJECT:

36 months

TYPE(S) OF ACTIVITIES:

Generating knowledge, Integrating knowledge, Studies, Design

ESTIMATED TOTAL COST:

€ 19,963,638.88

MAXIMUM EU CONTRIBUTION :

€ 19,963,638.75



SHORT DESCRIPTION OF THE PROJECT:

ECOSYSTEM will consolidate a fully European supply chain for the next generation of high performance Type-II superlattice (T2SL) infrared (IR) detectors for defence applications.

The project will establish: the EU supply chain and roadmap for gallium antimonide crystal growth and epi-ready substrates; the EU epitaxy supply chain and roadmap for the targeted infrared detectors; the development of a common post-processing readout integrated circuit bumping adapted for the complementary metal-oxide-semiconductor technology node used; the design of improved cryocoolers.

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#EUDefenceIndustry

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



 NAME OF THE ENTITY	 COUNTRY
SAFRAN ELECTRONICS & DEFENSE (Coordinator)	France
AIM INFRAROT-MODULE GMBH	Germany
COMMISSARIAT A L ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES	France
COMPTEK SOLUTIONS OY	Finland
ENSEMBLE3 SPOLKA Z OGRANICZONA ODPOWIEDZIALNOSCIA	Poland
FORSCHUNGSVERBUND BERLIN EV	Germany
FRAUNHOFER GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG EV	Germany
III-V LAB	France
LYNRED	France
POLITECNICO DI TORINO	Italy
SCHWAR JORG	Germany
SIEC BADAWCZA LUKASIEWICZ - INSTYTUT MIKROELEKTRONIKI I FOTONIKI	Poland
THALES	Netherlands
THALES LAS FRANCE SAS	France

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



NAME
OF THE ENTITY

XENICS NV



COUNTRY

Belgium

