



HEROIC

High Efficiency Read Out Circuits

SELECTED PROJECTS EUROPEAN DEFENCE FUND (EDF) 2021

CALL TITLE:

Optronics and radars

TOPIC TITLE:

Infrared detectors

DURATION OF THE PROJECT:

48 months

TYPE(S) OF ACTIVITIES:

Generating knowledge; Studies

ESTIMATED TOTAL COST:

€ 19,081,739.78

MAXIMUM EU CONTRIBUTION :

€ 17,999,998.00



SHORT DESCRIPTION OF THE PROJECT:

HEROIC will provide new advanced electrical components for the next generation IR sensors.

The project “High Efficiency Read Out Circuits” (HEROIC) will enable European IR sensor suppliers to sustainably design the next generation of EU Read-Out Integrated Circuit (ROIC) for IR sensors for defence applications. A ROIC provides the electrical interface between each individual detector pixel and its associated readout circuit. HEROIC will improve the securing of the availability of a common advanced fully EU ROIC supply chain compatible with various IR detector technologies and 2D/3D architectures.





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**MEMBERS OF THE CONSORTIUM AND
COUNTRY OF ESTABLISHMENT:**

 NAME OF THE ENTITY	 COUNTRY
LYNRED (Coordinator)	France
AIM INFRAROT-MODULE GmbH	Germany
COMMISSARIAT A L ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES	France
INDRA SISTEMAS SA	Spain
INTEGRATED DETECTOR ELECTRONICS AS	Norway
KONGSBERG DEFENCE & AEROSPACE AS	Norway
MILTECH HELLAS BIOMICHANIA	Greece
PCO SA	Poland
UNIVERSIDAD DE SEVILLA	Spain
XENICS NV	Belgium