

SCEPTER

European Multifunction System Concept applied to Communications, Electronic Warfare and Radar

SELECTED PROJECTS EUROPEAN DEFENCE FUND (EDF) 2024

CALL TITLE:

Research actions on advanced passive and active sensors

TOPIC TITLE:

Advanced radar technologies

DURATION OF THE PROJECT:

48 Months

TYPE(S) OF ACTIVITIES:

Generating knowledge, Integrating knowledge, Studies, Design

ESTIMATED TOTAL COST:

€ 34,986,235.16

MAXIMUM EU CONTRIBUTION :

€ 34,971,644.47



SHORT DESCRIPTION OF THE PROJECT:

SCEPTER seeks to combine radar, electronic warfare, and communication functions with adaptive cognitive features, enhancing situational awareness across air, land, and sea domains.

The project will create modular and interoperable systems, establishing standardised hardware and software to boost operational flexibility while minimising electromagnetic spectrum consumption. The design will integrate advanced antennas and state-of-the-art technologies to meet strict requirements for size, weight, and power in airborne platforms. Additionally, the program will tackle challenges in thermal management and signal integrity to ensure dependable performance across different environments.





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

 NAME OF THE ENTITY	 COUNTRY
INDRA SISTEMAS SA (Coordinator)	Spain
BALTIJOS PAZANGIU TECHNOLOGIJU INSTITUTAS	Lithuania
CAFA TECH OU	Estonia
CONSORZIO NAZIONALE INTERUNIVERSITARIO PER LE TELECOMUNICAZIONI	Italy
ELETTRONICA SPA	Italy
FRAUNHOFER GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG EV	Germany
HENSOLDT SENSORS GMBH	Germany
LEONARDO - SOCIETA PER AZIONI	Italy
NEDERLANDSE ORGANISATIE VOOR TOEGEPAST NATUURWETENSCHAPPELIJK ONDERZOEK TNO	The Netherlands
OFFICE NATIONAL D'ETUDES ET DE RECHERCHES AEROSPATIALES	France
SAAB AKTIEBOLAG	Sweden
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