



EUROPEAN UNION

EUROPEAN DEFENCE FUND



SPIDER

Space based Persistent ISR for Defence and Europe Reinforcement

SELECTED PROJECTS EUROPEAN DEFENCE FUND (EDF) 2022

CALL TITLE:

TOPIC TITLE:

DURATION OF THE PROJECT:

TYPE(S) OF ACTIVITIES:

ESTIMATED TOTAL COST:

MAXIMUM EU CONTRIBUTION :

Development actions

Innovative multi-sensor space-based Earth observation capabilities towards persistent and reactive ISR

33

Studies, Design, Prototyping

€ 41,818,025.92

€ 39,406,353.00



SHORT DESCRIPTION OF THE PROJECT:

SPIDER will improve the multi-mission affordable satellites constellations dedicated to space-based Intelligence/Surveillance/Reconnaissance (ISR).

SPIDER is a feasibility study addressing developments of multi-mission affordable satellites constellations dedicated to space-based Intelligence/Surveillance/Reconnaissance (ISR) for defence use-cases compatible with national and EU initiatives. The project ambition is to provide high reactivity, including autonomous re-tasking, short revisit periods and short end-to-end system latency. The outcome of the activity will be a preliminary system design including performance and cost analysis.

Related PESCO project: Common Hub for Governmental Imagery (CoHGI)



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



 NAME OF THE ENTITY	 COUNTRY
Airbus Defence and Space SAS (Coordinator)	France
Aalborg University	Denmark
Airbus Defence and Space GmbH	Germany
Airbus Defence and Space SAU	Spain
DATI Group SIA	Latvia
E-GEOS SpA	Italy
Elettronica S.p.A	Italy
EnduroSat AD	Bulgaria
European Union Satellite Centre	Spain
EXATEL SA	Poland
FALCONERS Ltd	Estonia
Flemish Technological Research Institute	Belgium
HENSOLDT Cyber	Germany
HISDESAT Servicios Estratégicos S.A.	Spain
INDRA Sistemas SA	Spain



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Integrated Systems Development SA	Greece
KONGSBERG Defence & Aerospace AS	Norway
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NanoAvionics UAB	Lithuania
Nederlandse Organisatie voor toegepast-natuurwetenschappelijk onderzoek TNO	Netherlands
Office national d'études et de recherches aérospatiales	France
OHB-Sweden AB	Sweden
Royal NLR - Netherlands Aerospace Centre	Netherlands
SAFRAN DATA SYSTEMS	France
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SITAEI S.p.A.	Italy
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TALLIN UNIVERSITY of TECHNOLOGY	Estonia
Telespazio SpA	Italy

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VTT Technical Research Centre of Finland Ltd	Finland