



SAURON |

Sensors for Advanced Usage & Reconnaissance of Outerspace situation

SELECTED PROJECTS EUROPEAN DEFENCE INDUSTRIAL DEVELOPMENT PROGRAMME (EDIDP) 2020

CALL TITLE:	Space Situational Awareness (SSA) and early warning capabilities
TOPIC TITLE:	Enhanced SSA sensors for accurate identification and characterization of existing Geostationary Earth Orbit (GEO) and Low Earth Orbit (LEO) public and private assets
DURATION OF THE PROJECT:	30 months
TYPE(S) OF ACTIVITIES:	Study; Design; Prototyping; Testing
TOTAL COST:	€ 8,221,388.86
MAXIMUM EU CONTRIBUTION:	€ 7,499,999.13

MEMBERS OF THE CONSORTIUM AND COUNTRY OF ESTABLISHMENT:

NAME OF THE ENTITY	COUNTRY
ARIANEGROUP SAS (COORDINATOR)	France
AIRBUS DEFENCE AND SPACE GMBH	Germany
AIRBUS DEFENCE AND SPACE SAS	France
ARIANEGROUP GMBH	Germany
ATOS IT SOLUTIONS AND SERVICES	Austria
DA-GROUP	Finland
DEIMOS ENGINEERING AND SYSTEMS S.L.U.	Spain
DEUTSCHES ZENTRUM FÜR LUFT - UND RAUMFAHRT EV	Germany
GMV AEROSPACE AND DEFENCE; SAU	Spain
INDRA SISTEMAS; SOCIEDAD ANÓNIMA	Spain
LEONARDO – SOCIETÀ PER AZIONI	Italy
OFFICE NATIONAL D'ETUDES ET DE RECHERCHES AÉROSPATIALES	France
SAFRAN DATA SYSTEMS SAS	France
SYBILLA TECHNOLOGIES SPÓŁKA Z OGRANICZONĄ ODPOWIEDZIALNOŚCIĄ	Poland
THALES ALENIA SPACE ITALIA SPA	Italy
THALES LAS FRANCE SAS	France
VITROCISSET S.P.A.	Italy
WEIBEL SCIENTIFIC A/S	Denmark

SHORT DESCRIPTION OF THE PROJECT:

SAURON aims to develop advanced sensors for identifying and characterising space objects based on smart combining of data obtained from ground and space-based sensors.

The project “Sensors for Advanced Usage & Reconnaissance of Outerspace situation” (SAURON) will lay the ground towards the development of a network of European Space Situational Awareness (SSA) ground and space-based sensors for all-orbit identification and characterisation of space assets. Several sensors will be designed, prototyped and tested and their performance validated in an architecture through a combined test campaign to demonstrate the benefit of sensors data fusion.

Related PESCO project: European Military Space Surveillance Awareness Network (EU-SSA-N)

© European Union, 2021

Pictures: © Adobe Stock, Reuse of this document is allowed, provided appropriate credit is given and any changes are indicated (Creative Commons Attribution 4.0 International license). For any use or reproduction of elements that are not owned by the EU, permission may need to be sought directly from the respective right holders. All images © European Union, unless otherwise stated. Icons © Freepik – all rights reserved.