

SELECTED PROJECTS EUROPEAN DEFENCE INDUSTRIAL DEVELOPMENT PROGRAMME (EDIDP) 2020

CALL TITLE:	Maritime surveillance capabilities
TOPIC TITLE:	Multifunctional capabilities, including space based surveillance and tracking, able to enhance the maritime awareness (discover, locate, identify, classify and counteract the threats)
DURATION OF THE PROJECT:	24 months
TYPE(S) OF ACTIVITIES:	Study; Design
TOTAL COST:	€ 3,983,001.68
MAXIMUM EU CONTRIBUTION:	€ 3,983,001.68

MEMBERS OF THE CONSORTIUM AND COUNTRY OF ESTABLISHMENT:

NAME OF THE ENTITY	COUNTRY
SATLANTIS MICROSATS S.L. (COORDINATOR)	Spain
ASTRO- UNO FEINWERKTECHNIK ADLERSHOF GMBH	Germany
AVIO S.P.A.	Italy
DHV TECNOLOGIA ESPACIAL AVANZADA MALAGUENA; S.L.	Spain
E-GEOS S.P.A.	Italy
EVERIS AEROSPACE AND DEFENSE S.L.U	Spain
SOLARIS OPTICS S.A.	Poland
SYRLINKS S.A.S.	France
TELESPAZIO S.P.A.	Italy
THALES ALENIA SPACE FRANCE S.A.S.	France
THALES ALENIA SPACE ITALIA S.P.A.	Italy

SHORT DESCRIPTION OF THE PROJECT:

NEMOS will study and design a novel satellite for near-real time Earth and Maritime surveillance.

The project “Novel Earth and Maritime Observation Satellite” (NEMOS) will study and design a small satellite mission to be implemented in the frame of a constellation, able to provide near real-time surveillance for multiple Intelligence, Surveillance and Reconnaissance (ISR) defence operation scenarios requiring continuous tracking of thousands of km of coastline, monitoring of critical maritime infrastructures, and scanning of the sea surface. The mission will combine small optical satellites in Low Earth Orbit (LEO) capable of providing simultaneous visible and Short-Wave Infrared (SWIR) images offering unprecedented spatial resolution. Those images will be combined with complementary geographic data.