



USSPS

Development of Unmanned Semi-fixed Sea Platforms for Maritime Surveillance

SELECTED PROJECTS EUROPEAN DEFENCE INDUSTRIAL DEVELOPMENT PROGRAMME (EDIDP) 2020

CALL TITLE:	Maritime surveillance capabilities
TOPIC TITLE:	Maritime surveillance generated by networks of sensors based on fixed and/or semi-fixed unmanned platforms
DURATION OF THE PROJECT:	42 months
TYPE(S) OF ACTIVITIES:	Study; Design; Prototyping; Testing
TOTAL COST:	€ 19,469,437.57
MAXIMUM EU CONTRIBUTION:	€ 12,796,545.80

MEMBERS OF THE CONSORTIUM AND COUNTRY OF ESTABLISHMENT:

NAME OF THE ENTITY	COUNTRY
ETME PEPPAS KAI SYNERGATES EE. (COORDINATOR)	Greece
APPLIED INTELLIGENCE ANALYTICS LIMITED	Ireland
CY.R.I.C CYPRUS RESEARCH AND INNOVATION CENTER LTD	Cyprus
FOUNDATION FOR RESEARCH AND TECHNOLOGY HELLAS	Greece
NAVAL GROUP SA	France
NAVANTIA SA	Spain
PROLEXIA	France
MULTIMEDIA WORKSHOP PLC	Bulgaria
SENER AEROESPACIAL SOCIEDAD ANONIMA	Spain
SIGNALGENERIX LIMITED	Cyprus
SMST DESIGNER & CONSTRUCTORS	Netherlands
STICHTING MARITIEM RESEARCH INSTITUUT NEDERLAND	Netherlands
TECHLAM SAS	France
TECNOBIT SLU	Spain
UNMANNED TEKNOLOGIES APPLICATIONS S.L.	Spain

SHORT DESCRIPTION OF THE PROJECT:

USSPS will develop a system to improve Maritime Surveillance by exploiting unmanned semi-fixed platforms at sea.

The project “Development of Unmanned Semi-fixed Sea Platforms for Maritime Surveillance” (USSPS) will develop the backbone of an advance Command, Control, Communication, Computers, Combat Systems, Intelligence, Surveillance, Target Acquisition, and Reconnaissance (C5ISTAR) federated system of systems. USSPS will integrate legacy assets and systems with innovative solutions, aiming to improve maritime surveillance capabilities, reduce high value asset utilization and mission related costs, and provide cross-domain persistent and permanent maritime situational awareness. The project will develop an unmanned highly autonomous, energy efficient and miniaturized oil rig technology-based platform capable to integrate a wide range of air, surface and underwater sensors. The platforms will enable deployment in any geographical region, including all types of sea-beds and deep-sea regions, and operation under adverse environmental conditions.

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