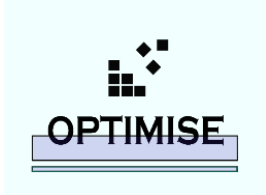




innOvative PosiTloning systeM for defence In gnSs-denied arEas (OPTIMISE)



Under the Preparatory Action on Defence Research (PADR), the grant for the Research Action call on the topic “Future Disruptive Defence Technologies –Emerging Game-changers’, subtopic (1) ‘Autonomous positioning, navigation and timing’ was signed on 29 March 2021. The awarded project, called OPTIMISE, is led by SKYLIFE ENGINEERING (Spain). The consortium encompasses a total of 9 participants from 4 countries. The project, which has a duration of 24 months, will receive an EU grant of roughly €1.5 million.

PADR Call FDDT-EMERGING-03-2019– Information on the awarded project			
Name of the project		innOvative PosiTloning systeM for defence In gnSs-denied arEas	
Short name		OPTIMISE	
Summary of the project			
<p>OPTIMISE project will propose a PNT “toolbox”, offering a set of emerging technologies – or a smart combination of disruptive technologies, as well as a backbone software architecture to integrate them. This will pave the way to more PNT technology integration into Defence Programs, at different timescale, from short to long term, depending on the technology maturity. This will also allow to achieve more EU strategic autonomy (less dependence to GNSS), and face scenarios where jamming and electronic warfare will be the baseline. The proposed architecture will consist in several technologies, that provide positional, navigation and timing solutions that will be fused and combined with the aim of achieving an improved and more reliable result. It will also allow to assess the key PNT emerging technologies and the optimized combination paving the way to an improved robust and reliable navigation chain (offering individual focuses on the related sensors and their associated data processing).</p> <p>OPTIMISE project aims to offer a navigation architecture which will be: More robust (particularly in case of GNSS denied or limited access to the GNSS signals), Flexible (does not depend on the scenario), Reliable (particularly in order to address the safety purpose), Low SWaP (in order to be used in several platforms including those which are demanding in terms of volume), and ITAR free.</p>			
Project duration		24 months	
Starting date		01 April 2021	
Maximum foreseen EU Contribution		€ 1.499.400,00	
List of participants			
#	Name of the entity	Country	EU Contribution requested by the entity ¹
1	SKYLIFE ENGINEERING SL	Spain	€ 321.000,00
2	MBDA ITALIA SPA	Italy	€ 261.000,00

¹ The amount of EU contribution as included in the Grant Agreement. Final amounts need to be confirmed at the end of the project.



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3	SENER AEROESPACIAL SOCIEDAD ANONIMA	Spain	€ 151.400,00
4	OFFICE NATIONAL D'ETUDES ET DE RECHERCHES AEROSPATIALES	France	€ 150.000,00
5	SYRLINKS SAS	France	€ 100.000,00
6	STAR NAV	France	€ 125.000,00
7	SYSNAV SAS	France	€ 172.000,00
8	ZILINSKA UNIVERZITA V ZILINE	Slovakia	€ 189.000,00
9	ASOCIACIÓN DE INVESTIGACIÓN Y COOPERACIÓN INDUSTRIAL DE ANDALUCÍA "F. DE PAULA ROJAS"	Spain	€ 30.000,00