



This project has received funding from the European Union's European Defence Fund - EDF programme under grant agreement No 101074813 [ARTURO]



## Advanced Radar Technology in eUROpe (ARTURO)

Under the European Defence Fund (EDF) 2021, the grant for the Research Action call on the topic 'Advanced radar technologies' was signed on 31 July 2023. The awarded project, called ARTURO, is led by Leonardo S.p.A (Italy). The consortium encompasses a total of 25 participants from 11 countries. The project, which has a duration of 36 months, will receive an EU grant of roughly €20 million.



Call EDF-2021-SENS-R-RADAR – Information on the awarded project			
<b>Name of the project</b>		Advanced Radar Technology in eUROpe	
<b>Short name</b>		ARTURO	
<b>Summary of the project</b>			
<p>The ARTURO (Advanced Radar Technologies in eUROpe) project proposes a solution to fulfil future operational needs based on extended use of emerging technologies. More specifically, studies of ARTURO project will be focused on:</p> <ul style="list-style-type: none"> <li>• Representing end-users' vision in terms of needs and high-level requirements for the future most demanding scenarios and environments;</li> <li>• Defining an innovative Sensor Architecture and the most efficient applicable technologies to be implemented in the future development;</li> <li>• In-depth analysis of the new threats and the environment surrounding the radar which produces an accurate definition of the various operational scenarios (air, land and naval) the new class of radar is expected to cope with;</li> <li>• Carrying out the study of modern hardware and SW (software) technologies that provide the constituent elements of the new class of radar. New approaches to design (i.e. cognitive) and modern technologies such as Artificial Intelligence will be disseminated within the design;</li> <li>• Selecting a specific preliminary development of key components of the new architecture;</li> <li>• Proposing a roadmap for future developments based on the results derived by the current research.</li> </ul>			
<b>Project duration</b>		36 months	
<b>Starting date</b>		01 September 2023	
<b>Maximum foreseen EU Contribution</b>		€ 19.989.830,91	
<b>List of participants</b>			
#	Name of the entity	Country	EU Contribution requested by the entity <sup>1</sup>
1	Leonardo S.p.A.	Italy	€ 2.520.851,00
2	Echoes s.r.l.	Italy	€ 87.500,00
3	Totalforsvarets Forskningsinstitut	Sweden	€ 376.500,00

<sup>1</sup> 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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4	Saab Aktiebolag	Sweden	€ 1.906.855,00
5	SenTech Srl	Italy	€ 101.250,00
6	Aalto Korkeakoulusaatio Sr	Finland	€ 873.751,25
7	Università degli Studi di Pavia	Italy	€ 350.000,00
8	Consorzio Nazionale Interuniversitario per le Telecomunicazioni	Italy	€ 412.500,00
9	XY-Sensing sp. z o.o.	Poland	€ 250.000,00
10	Nederlandse Organisatie Voor Toegepast Natuurwetenschappelijk Onderzoek TNO	Netherlands	€ 1.119.518,75
11	Thales Nederland Bv	Netherlands	€ 496.177,50
12	Satways-Oloklromenes Lyseis Asfaleias Kai Alynas-Idiotiki Epicheirisi Parochis Ypiresion Asfaleias (Iepya)-Etaireia Periorismenis Efthynis	Greece	€ 297.500,00
13	Thales DMS France SAS	France	€ 1.505.999,41
14	Baltijos Pazangiu Technologiju Institutas	Lithuania	€ 250.000,00
15	Rheinmetall Italia S.p.A.	Italy	€ 100.000,00
16	PIT-RADWAR S.A.	Poland	€ 369.473,75
17	Universidad De Sevilla	Spain	€ 401.792,50
18	Marduk Technologies OU	Estonia	€ 250.000,00
19	Indra Sistemas SA	Spain	€ 2.327.833,00
20	Scalinx	France	€ 1.317.750,00
21	Airbus Defence And Space GmbH	Germany	€ 499.998,75
22	CoreHW Semiconductor Oy	Finland	€ 875.017,50
23	Hensoldt Sensors GmbH	Germany	€ 2.729.625,00
24	G.E.M. Elettronica Srl (affiliated entity)	Italy	€ 100.000,00
25	Saab Finland Oy (affiliated entity)	Finland	€ 469.937,50