European Commission

EUROPEAN DEFENCE FUND

DAMAGER

stuDy of Additive ManufActuring for low-cost, low-observable, hiGhly-deployable, expendablE/attritable tuRbojet engines

SELECTED PROJECTS EUROPEAN DEFENCE FUND (EDF) 2024

CALL TITLE:	Research actions focused on SMEs and research organisations
TOPIC TITLE:	Non-thematic research actions by SMEs and research organisations
DURATION OF THE PROJECT:	48 Months
TYPE(S) OF ACTIVITIES:	Generating knowledge, Integrating knowledge, Studies, Design
ESTIMATED TOTAL COST:	€ 3,994,444.98
MAXIMUM EU CONTRIBUTION :	€ 3,994,444.98

SHORT DESCRIPTION OF THE PROJECT:

The aim of the project is validating and de-risking of some fundamental technological bricks for the rapid deployment of turbojet-propelled small to medium size, expendable uncrewed aerial vehicles (UAV).

Key to reducing the cost and time of manufacturing and deployment of large numbers of UAVs is the development of a low-cost yet high-performance, scalable propulsion system that can be manufactured rapidly in large quantities. Turbojet engines are the ideal candidates, due to their high specific thrust and ease of integration into multiple platforms. Several enabling technologies for highly efficient and low-cost small turbojet engines will be investigated.

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#EUDefenceIndustry

European Commission

SELECTED PROJECTS
EUROPEAN DEFENCE FUND (EDF) 2024

Members of the consortium and country of establishment:

NAME OF THE ENTITY	COUNTRY
HIT09 SRL (Coordinator)	Italy
AENIUM ENGINEERING SL	Spain
ERGON RESEARCH SRL	Italy
INSTITUTUL NATIONAL DE CERCETARE-DEZVOLTARE TURBOMOTOARE - COMOTI	Romania
LITHOZ GMBH	Austria

More information about the European Commission's support for the Defence Industry