



ROLIAC

Robust and Light AM components for military systems

SELECTED PROJECTS EUROPEAN DEFENCE FUND (EDF) 2021

CALL TITLE:

Research for disruptive technologies for defence applications

TOPIC TITLE:

New materials and technologies for additive manufactured defence applications

DURATION OF THE PROJECT:

36 months

TYPE(S) OF ACTIVITIES:

Generating and integrating knowledge; Studies; Design

ESTIMATED TOTAL COST:

€ 3,978,712.13

MAXIMUM EU CONTRIBUTION :

€ 3,978,712.13



SHORT DESCRIPTION OF THE PROJECT:



ROLIAC will focus on new materials and technologies for additive manufacturing of lightweight parts of defence equipment.

The project “Robust and Light AM components for military systems” (ROLIAC) presents advanced research for additive manufacturing technologies for defence applications. It will design and manufacture lightweight military grade parts with novel materials for three military use-cases: a light metal emergency wheel, a cargo bay-door hinge and a large-scale antenna mount for satellites.



**MEMBERS OF THE CONSORTIUM AND
COUNTRY OF ESTABLISHMENT:**



 NAME OF THE ENTITY	 COUNTRY
TEKNOLOGISK INSTITUT (Coordinator)	Denmark
AEROTECNIC METALLIC SL	Spain
AMSIS GmbH	Germany
CENTER FOR SIKKERHEDSINDUSTRIEN I DANMARK	Denmark
FRAUNHOFER GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V.	Germany
GRÄNGES POWDER METALLURGY GmbH	Germany
LISI AEROSPACE ADDITIVE MANUFACTURING	France
LORTEK S COOP	Spain
OHB HELLAS MONOPROSOPHI ETAIREIA PERIORISMENIS EFTHINIS	Greece
TECHNISCHE UNIVERSITEIT EINDHOVEN	Netherlands