

PROJECT

DISCMAM

Digital supply-chain for on-site maintenance in defence by additive manufacturing

DISCMAM aims to establish a robust digital method for repairing and manufacturing spare parts using additive manufacturing technologies.



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PARTNERS

5

COUNTRIES

€3.6M

TOTAL BUDGET

36

MONTHS



IN ONE CLICK

Coordinator	Programme	Period
Lortek S.Coop	Europe Defence Fund	2023-2026
Sector	Web	-
Defence	-	-

01 Challenge

DISCMAM proposes the possibility of establishing a secure digital path for remote support of military operations, applied on site to the necessary maintenance operations of land, air and naval systems. The focus will be on the use of metal additive manufacturing for the repair and replacement of parts where they are needed and demanded.

02 Solution

DISCMAM will develop a digital thread by providing secure digital pathway for repair and manufacturing of spare parts, using additive manufacturing technologies, for remote assistance to military field operations. The developed digital thread will provide an effective digital supply chain for on-site maintenance to the EU defence sector. It will provide autonomy to repair damaged components and manufacture spare parts by secure communication pathways for remote assistance.

03 Impacts

The project aims to make significant advancements in the digital supply chain for on-site maintenance in defence and aims to enhance the capabilities of the European defense sector in response to constantly evolving challenges. European collaboration between entities involved in the project will contribute to ensuring the different points of view, experience and multidisciplinary teams, enriching the project and preparing it for future applications in defence.