



AM Village 2024



The Additive Manufacturing Village 2024 (AMV24) is following the AMV 23 which was a **five-day capability workshop**, bringing together **AM experts from Industry, Armed Forces and Academia**. AMV 24 is following the same concept and will be a **mixture of seminars, lectures, presentations and practical interactions amongst participants**. Objective is to identify appropriate AM technologies which can potentially provide logistic advantages to armed forces in different application scenarios. The Workshop is planned to be held on 13-17 May 2024 in Tournai / Belgium. Under its European Presidency, Belgium will host the event. The

Multinational Logistic Coordination Center (MLCC) will support this event in light of the long and close cooperation of both entities.

Background

The Capability Development Plan (CDP) of EDA identified Additive Manufacturing as a key technology with game-changing potential, especially in terms of reducing the logistic footprint on military missions. Considering AM as an Emerging Disruptive Technology, it has not achieved its final stage of development. Additionally, AM has proven its serious potential to provide technical solutions beyond the borderlines given by legacy manufacturing methods inter alia regarding timely availability and part complexity.

In this light, EDA's task is to support its Member States in their efforts to introduce AM as a capability enabler and it is fostering military cooperation among the European Union Member States. MLCC is the dedicated discipline leader for the NATO Smart Defense Project 2.1084 "Land Operations and Maintenance" and there is a common understanding that AM technologies have the potential to enhance Expedient Repair procedures.

Scope

The AM Village 2024 is addressed to military AM experts, all military personnel dealing with regular maintenance and repair and expedient maintenance in all services of Armed Forces. In addition, the AM Village is targeting AM industry who can provide suitable, reliable, robust, and resistant AM technologies. All AM related academia inter alia universities or standardisation organisations are invited to attend as well. We welcome everyone who is willing to contribute and to cooperate to make AMV 24 a successful event as the previous one was. Please note, AMV 24 isn't an exhibition and because of its workshop character it is not meant to be a sales event. The agenda will be drafted together with participants within the prep-meetings and depending on MS requirements and industrial and academia contribution.

In the light of supporting EDA Member States, the scope of the AM Village 2024 is to:

1. identify military use cases where AM can potentially improve military logistics.

Attachment 3

2. improve cooperation between Armed Forces and industry to identify “tailored to the mission” AM solutions.
3. enforce the cooperation amongst various stakeholders aiming for interoperability regarding AM applications for military purpose.
4. use the CAT B Project AM for Logistic Support (AMLS) objectives as a guideline and getting findings for the development of future common standards.

Objectives

AM Village 2024 is aiming to further explore the AM potential for military purposes. In this regard the event will pursue the following objectives:

- Reviewing the entire AM process within the military logistic supply chain.
- Identifying and assessing AM technology for military use cases for Expedient Repair.
- Reviewing the use of alternative materials and re-engineering.
- Reviewing of the “Operative AM Connection” and the exchange of AM files.
- Testing and evaluation of common procedures as targeted by the Cat B Project AMLS.
- Exchange of Experiences and “Best Practice” and “Lesson Learned.”
- Continuing to build up a community and confidence.

Considerations

Lead:	EDA – Capability, Armament and Planning Directorate (CAP)	
Host Nation (HN):	Belgium	
Location:	Belgium Defence Logistic School, Rue De La Citadelle, B-7500 Tournai	
Event Date:	13 – 17 May 2024	
Deployment:	latest 13 May 2024 by noon (incl. operational readiness) Cross Border Movement on bi-lateral dialog with HN	
Re-deployment:	17 May 2024 at noon	
Classification:	Unclassified	
HNS	Belgium Army - upon request – cost free	
Finance:	Cost – free HNS Accommodation, catering, and transport on own costs	
Accommodation:	Responsibility of participants – No recommendations	
Catering:	Lunch provided by HN for a fee	
Communication:	Responsibility of participants	
Internet:	Long Range Wide Area Network by HN	
Transport on side:	Responsibility of participants	
Medical:	Military Medical Service on side / Civilian Medical Service in Tournai	
Dresscode:	Uniform or casual	
Meetings ahead:	1 st AM Village Prep Meeting & Side Survey	21/22 Feb 24 in Tournai
	2 nd AM Village Prep Meeting	3/4 Apr 24 in Prague (tbc)