CAPACITY BUILDING (21 Set/Day 1)
Gijón, Spain

AILEEN

Resource Lab: Step by Step Resources Development

(Introduction to AILEEN Excellence Platform

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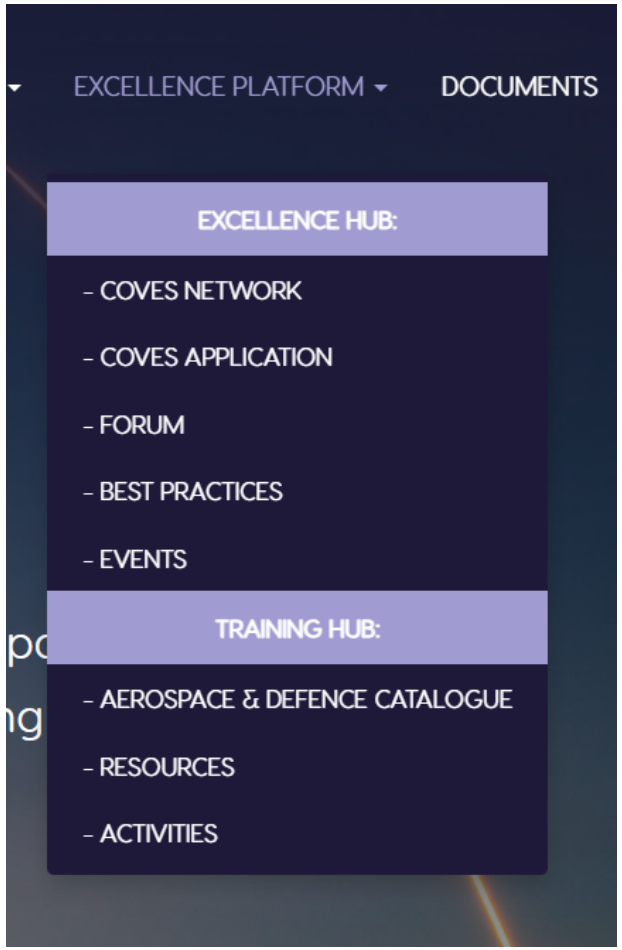

The online connection point for Industry, Research and Education to:

- Promote exchange of knowledge between A&D stakeholders
- Foster connection from VET to Industry
- Support education, training and collaboration

- **EXCELLENCE HUB** – network & cooperation dimension
- **TRAINING HUB** - learning and development dimension

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FORUM



AILEEN COVE CONNECT

- Connect organisations in the field of Advanced Manufacturing, Education, Skills, and Innovation within A&D sectors

- Open interaction about:
  - **Trends & Technological Innovation**
  - **Education and Cooperation Best Practices**
  - **Skills Developments**
  - **Industrial Standards and Regulations**
  - **International, European, and National Policies and Initiatives**

EXCELLENCE HUB:

- COVES NETWORK
- COVES APPLICATION
- FORUM
- BEST PRACTICES
- EVENTS

TRAINING HUB:

- AEROSPACE & DEFENCE CATALOGUE
- RESOURCES
- ACTIVITIES

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Best Practices

Collaborative Networking & Industry Partnership:

Category: Networking **Method:** University & Company Collaboration

This best practice focuses on establishing structured collaboration between training providers, research institutions, and industry partners to jointly develop and deliver training programmes. It ensures that training remains aligned with industry needs, integrates practical expertise, and benefits from shared resources and complementary competencies within the AILEEN ecosystem.

CoVEs Use Cases:

1. Collaborative Training through Strategic Partnerships +
2. Collaboration within Qualification and Certification Frameworks +
3. Training Development through Project-Based Ecosystems +

Best Practice 3



Collaborative Networking & Industry Partnership

University & Company Collaboration

This best practice links **training providers, research institutions, and industry partners** to co-develop and deliver specialized programs. Learners benefit from AILEEN ecosystem shared resources and **practical expertise.**

USES CASES →

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CoVEs Use Cases:

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3. Training Development through Project-Based Ecosystems

- Participation in European and national initiatives supports the co-development and continuous improvement of training programmes. Project results and skills intelligence are integrated into training provision, ensuring long-term relevance and alignment with industry developments.
- **Methods used in Training Development:**
  - Collaboration model: Integration into European and national innovation ecosystems.
  - Role structure: Combination of training provider role with project and accreditation functions.
  - Development approach: Co-development of training programmes within funded initiatives.
  - Resources & systems: Use of skills intelligence (e.g. observatories) and project outputs.
  - Training delivery: Joint delivery and certification of industry-relevant training programmes.
  - Sustainability: Embedding training into institutional catalogues and long-term initiatives.
- **Use Case:** Innovation Ecosystem
- **Reference:** Portuguese CoVE:

ISQ

⬇ Download Supporting Materials

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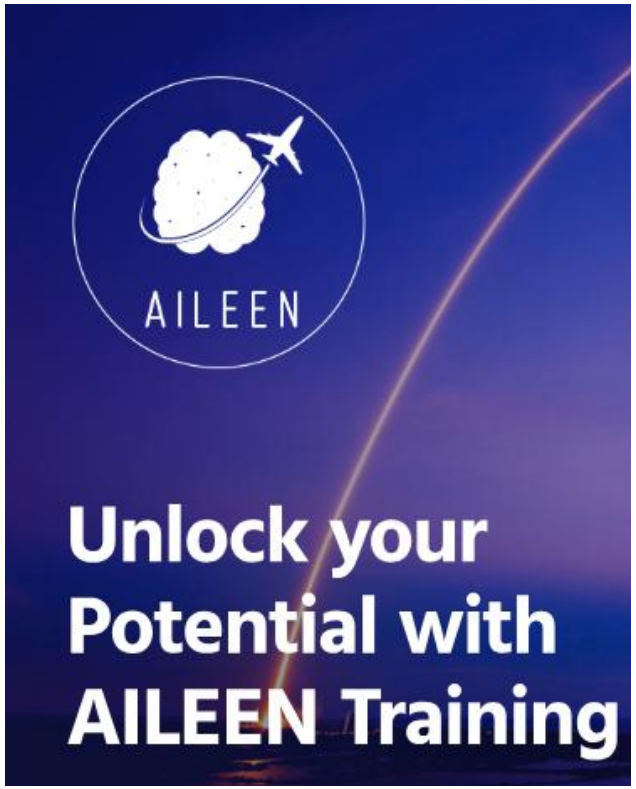
Online Catalogue





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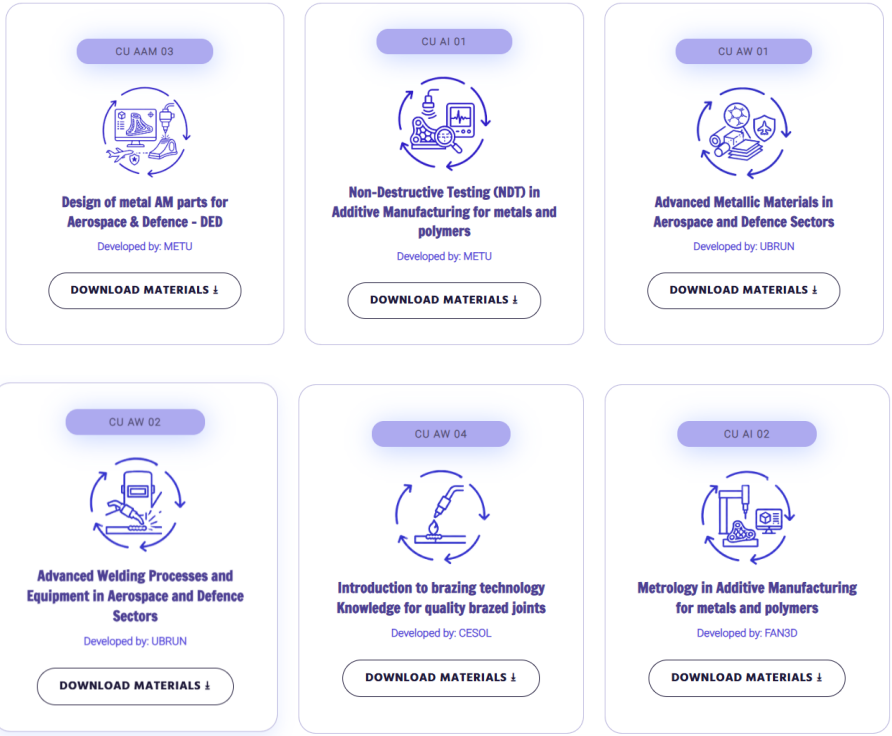
Resources ready for download



CUs materials in pdf



MOODLE

Welcome to our moodle platform.

A supporting tool designed for Advanced Manufacturing education and cooperation activities developed in the AILEEN project.

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T6.2 Aileen Aerospace & Defence Excellence Platform

Activities - Applied Research & Open Calls Opportunities

LEADING PARTNER	COUNTRY	TECHNICAL DOMAIN	APPLIED RESEARCH PROJECT
UBRUN	United Kingdom	Additive Manufacturing	Additive Manufacturing of Elastomeric Diaphragms for Gas Valves Using Vat Photopolymerisation
MTC	United Kingdom	Laser Welding	An Investigation into the Effect of Core-Ring Beam Shaping on Laser Welding of Titanium-6Al-4V
ISQ	Portugal	Additive Manufacturing / Quality Assurance	Quality & Certification Framework for Additive Manufacturing in Aerospace Maintenance
METU	Türkiye	WAAM and Non-Destructive Testing	Fabrication and NDT Inspection of Steel-Copper Functionally Graded Materials via WAAM

National Open Calls (2026-2027 and beyond)

Scope: Advanced manufacturing (Welding, Brazing, Additive Manufacturing, Inspection, Digital technologies and Green); Aerospace and/or Defence.

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Share Advanced Manufacturing Open Calls from your organisation and/or country

AILEEN CoVE Applied Research
Mapping of Open Calls Form



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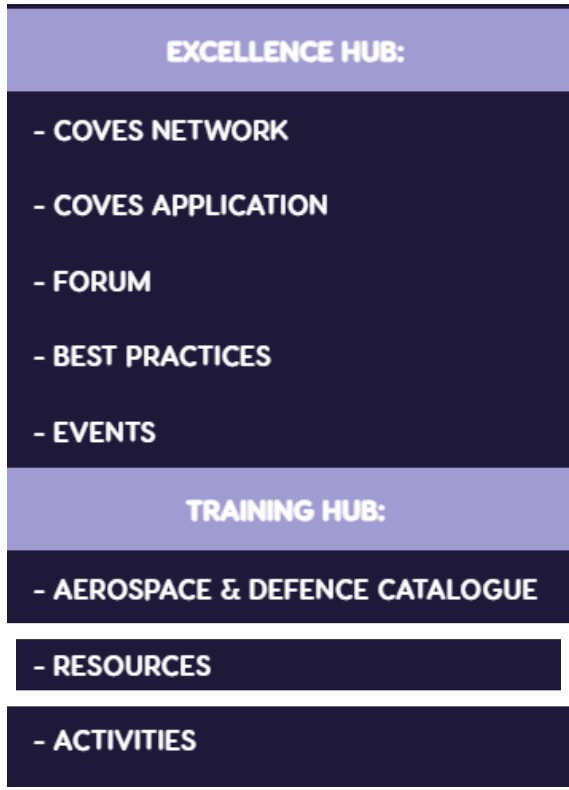
More Resources Arriving soon !!

- CUs materials in pdf
- Work – based learning kit
- Apprenticeship Kit
- Problem –based learning kit
- More than 20 case-studies in Advanced Manufacturing for A&D



Thank you !

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