



LEARNING BY SHARING KNOWLEDGE IN DESIGN FOR AM

The ShakeAM project, an EU-funded initiative advancing digital education in Design for Additive Manufacturing (DfAM), proudly concludes with the launch of a Digital Ecosystem. This platform is designed to enhance digital learning by sharing best practices in DfAM and equipping Higher Education (HE) students and professionals with essential competencies in Additive Manufacturing (AM).

Key Features & Benefits of the ShakeAM Results

The ShakeAM project outcomes are crafted to meet the evolving needs of both experienced and aspiring DfAM professionals. Key offerings include:

- › **ShakeAM Curriculum & Training Materials:** A structured, interactive DfAM curriculum that provides essential skills, from foundational knowledge to advanced applications in design and manufacturing.
- › **Design Resources:** A shared repository of AM best practices, allowing educators, designers, and students to access and contribute to industry-standard techniques and innovative methodologies.
- › **ShakeAM Sphere:** A collaborative forum enabling users to exchange ideas, insights, and resources, fostering a vibrant knowledge-sharing community across Europe.
- › **Guideline for Inclusive Teaching:** Resources and mechanisms to support students with special educational needs and/or disabilities, ensuring adaptable and inclusive training modules.
- › **Implementation Guideline & Recommendations:** Resources to support the transferability of ShakeAM curriculum and ecosystem, facilitating seamless transitions from academia to the workforce.

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By aligning training with industry standards and promoting digital pedagogy, the ShakeAM Digital Ecosystem offers students practical, job-ready skills. It also empowers educators to strengthen their digital teaching competencies, enhancing the overall quality of education in European HE institutions.

ShakeAM was made possible by a consortium of six institutions with expertise in education, certification, and AM innovation:

- › **Instituto Superior Técnico (IST)**, University of Lisbon, Portugal – Project Coordinator
- › **Laboratory for Manufacturing Systems & Automation (LMS)**, University of Patras, Greece
- › **BRUNEL University London (UBRUN)**, United Kingdom
- › **European Federation for Welding, Joining and Cutting (EWF)**, Belgium – Qualification and Certification Leader
- › **MakeAmazing (MA)**, Greece – AM Design Expert
- › **EIT Manufacturing Central**, Germany – AM Design Expert

Leveraging this collective expertise, the ShakeAM Digital Ecosystem is poised to become a lasting, transformative tool for advancing DfAM education.

As the ShakeAM project concludes, its Digital Ecosystem remains an enduring resource for HE institutions, AM professionals, and learners. It sets a new benchmark for digital education in Additive Manufacturing, providing accessible, high-quality learning resources aligned with Europe's digital and professional landscapes.

For more information visit [ShakeAM website](https://shakeam-project.eu) or contact ewf@ewf.be.

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