PRESS RELEASE

AIM-Learn: Advancing AI-Powered Predictive Maintenance Skills for Europe's Industrial Future

DLEARN is proud to be a partner in AIM-Learn **(AI-Powered Predictive Maintenance Competence Framework for Lifelong Learning and Industrial Innovation)**, an ambitious European initiative designed to bridge the gap between education, artificial intelligence, and industrial innovation.

The project responds to one of the most urgent challenges facing European industry today: the growing need for professionals equipped with advanced digital and AI skills to support the transition toward Industry 4.0 and sustainable manufacturing.

Predictive maintenance (powered by Artificial Intelligence, Machine Learning, and IoT technologies) is rapidly transforming industrial processes by enabling companies to anticipate equipment failures, reduce downtime, optimize resources, and improve operational sustainability.

Despite its enormous potential, the adoption of AI-driven predictive maintenance remains limited due to significant skills shortages, a lack of specialized training opportunities, and insufficient integration between education systems and industry needs. AIM-Learn directly addresses these challenges by developing an innovative competence framework, modular training curricula, and hands-on learning methodologies tailored to the evolving industrial landscape.

Co-funded by the European Union

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The project brings together universities, vocational education and training (VET) providers, SMEs, industry clusters, and digital education organizations from across Europe. Together, the consortium will design and implement training programs focused on AI, machine learning, data analytics, IoT, and predictive maintenance technologies, ensuring learners acquire practical and industry-relevant competences.

AIM-Learn also places strong emphasis on sustainability and green transition. By promoting predictive maintenance strategies, the project contributes to reducing energy consumption, minimizing waste, extending equipment lifespan, and supporting circular economy practices within manufacturing and industrial sectors.

As part of the initiative, the consortium will develop:

- An **AI Predictive Maintenance Competence Framework aligned with the European** Qualifications Framework (EQF) and ESCO standards;
- Innovative VET training courses and micro-credentials;
- A digital learning platform and MOOC environment;
- Practical learning experiences, simulations, and industry case studies;
- Collaboration mechanisms between education providers and enterprises to ensure long-term relevance and impact.

DLEARN contributes to AIM-Learn through its expertise in digital education, innovation ecosystems, and European collaboration networks. The project represents an important opportunity to strengthen digital upskilling pathways, foster cooperation between VET and industry stakeholders, and support the development of future-ready skills across Europe.

By combining cutting-edge AI technologies with innovative educational approaches, AIM-Learn aims to create a more resilient, competitive, and sustainable European industrial ecosystem, while empowering learners, workers, and organizations to successfully navigate the digital transformation.

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