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BIM4D

Developing Green and Digital Skills for the Use of BIM at End-of-Life Practices

Project reference:
2023-1-EL01-KA220-VET-000158810

Duration:
March 2024 – February 2026

Funding:
This project is supported by the Erasmus+ Programme under the Key Action 2 – Cooperation partnerships in vocational education and training.

Consortium:
The BIM4D project is a collaboration between six organizations from Greece, Slovenia, Germany, Belgium, and Italy, bringing together diverse expertise from the construction and educational sectors.

More:
Presentation of the project on the official EU programme Erasmus+

Objective:
The primary goal of the BIM4D project is to enhance the capabilities within the construction industry to use Building Information Modeling (BIM) technologies effectively at the end-of-life phase of building projects. This involves developing both green and digital skills among professionals to facilitate sustainable deconstruction practices and efficient resource management.

Impact:
The BIM4D project aims to make significant advancements in how building projects are managed at their end-of-life, promoting sustainability, reducing waste, and contributing to the circular economy. By enhancing skills and knowledge, the project also supports the labor market transition towards more digital and environmentally conscious practices.

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Driving Sustainability in End-of-Life Building Practices:

The BIM4D project addresses one of the most pressing challenges in the construction industry: how to manage the End-of-Life (EOL) phase of buildings sustainably while aligning with evolving European standards, including CEN/TC 350. With construction and demolition waste (CDW) making up the largest proportion of waste in the EU, sustainable deconstruction is no longer an option but a necessity.

Why BIM4D?

The project aims to harness the power of Building Information Modeling (BIM) to revolutionize EOL practices. Traditional demolition often leads to inefficient resource use, waste generation, and missed opportunities for recycling. BIM4D introduces digitalized solutions and training programs that empower construction workers and professionals to:

- **Plan and execute sustainable deconstruction** using digital tools.
- **Minimize waste and maximize material recovery**, supporting the circular economy.
- **Ensure compliance** with EU directives and CEN/TC 350 standards for environmental, social, and economic sustainability.

BIM4D Online Platform – Enhancing Digital Learning for Sustainable Deconstruction:

Free and Open Learning Resources – Comprehensive training materials tailored to BIM-based EOL processes.

- Interactive Training Modules – Engaging, hands-on content to upskill construction workers and professionals.
- Certification & Micro-Credentials – Recognition of acquired skills to support career development.
- Best Practices & Case Studies – Insights into real-world applications of BIM in sustainable deconstruction.
- Networking & Collaboration – A space for industry professionals, educators, and policymakers to exchange knowledge.

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