

DASBE Fact Sheet

Duration: 60 months (November 2020 – October 2025)

LIT Project Budget: c. € 3,443,570.00 **Total Project Budget:** c. € 7,503,106.00

Summary:

LIT is leading a consortium of Higher Education Institutes and industry partners to address the education and training skills gaps within the built environment. The Digital Academy for Sustainable Built Environment (DASBE) project, funded under the HEA Human Capital Initiative (HCI) will address the significant changes in the sector as a result of EU and national policies, regulations, green construction, circular economy and digital skills.

Critical themes affecting all aspects of the sector include:

- Energy standards - near Zero Energy Buildings (nZEB) and Passive House standards driven by EU and National directives
- Retrofitting - new policies and programmes placing focus on retrofitting of existing buildings
- Ventilation/Air Tightness/Air Quality - a consequence of both new energy standards and retrofitting is a need to address ventilation and air quality.
- Circular Economy - a need to focus on re-use, recycling and repurposing of materials within the sector
- Digital Economy - Building Information Modelling (BIM) as a key tool in the design and management of buildings

The project provides rapid design, development and deployment of education and training programmes to construction workers and professionals using a wide variety of on-line, blended and face to face approaches. It will focus on provision of programmes which are flexible and responsive to the needs of the building sector.

The DASBE platform will focus initially on existing programmes, available in the partner institutions, while also using resources from on-going R&D projects e.g. BIM Cert, BIMZeED, Construction Blueprint etc.

The DASBE Consortium includes LIT, AIT, GMIT, the Tipperary Energy Agency (TEA) and Irish Green Building Council (IGBC). The consortium will be a hub for providing upskilling, capacity building and education to the building sector.

Objectives and aims of the project:

- Provide a Digital Platform to enable learners to undertake programmes ranging from micro-accreditation (including digital badges), special purpose awards (Certificates), and minor and major awards focusing on specific topics and requirements in the sector.
- Provide programmes from Level 6 to Level 9 on the National Framework of Qualifications.
- Enable partners to collaborate on the provision of innovative and integrated programmes, building on best practice from across their organisations.

- To build on partner's previous work, utilise capacity and synergies between past and ongoing research work.
- Enable access to international research drawn from DASBE network of international collaborators e.g. European Heat Pump Association, World Green Building Council – European Regional Network.

LIT Activities (Development Unit):

- LIT leads the project and is responsible for project implementation, management, coordination and reporting to the Higher Education Authority
- Support AIT and GMIT with new approaches to design, development and deployment of programmes in response to industry needs.
- LIT will lead the development of the DASBE digital platform
- LIT will ensure the current and existing programmes through LIT are implemented with improved intake of numbers
- LIT will develop the digital tools (VR, AR, BIM etc) to facilitate learnings and learning labs to enable simulations and real-world energy performance data.
- LIT will prepare strategic and business planning methods to ensure the long term sustainability of DASBE and future expansion to other HEIs.

Note: Other info included in the web page are:

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