

SDRI Website Project Factsheet Template

INSIDE COVE

Project Logos

Insert or link project logo from the project folder and funding agency logo(s)

Project Reference Number: 101194017

Duration: 48 Months

Start Date: 01 February 2025

Finish Date: 31 January 2029

TUS Project Budget € 3 998 350.00

Total Project Budget € 378 966.00

Main Contact(s) regarding project information (e.g. project leader name and email)

Name: Gloria Callinan **Email:** Gloria.Callinan@tus.ie

Brief Overview/Project Summary

INSIDE-CoVE presents a network of Centres of Vocational Excellence across six European countries. Greece, Spain, Germany, and Ireland are the main CoVEs, while Cyprus and Belgium networks are being established as satellite CoVEs as part of the project's expansion. The Belgian EU hub seeks to amplify the influence of the INSIDE-CoVE skills ecosystems throughout Europe. The INSIDECoVE horizontal approach emphasises three layers of curriculum development for the construction industry in Europe. The digital layer emphasises the importance of data, software, and hardware skills, seamlessly integrating BIM as a universal language across different construction disciplines. The green layer integrates energy efficiency aspects throughout the building life cycle, incorporating skills in environmental sustainability and governance. The inclusion layer strives to promote the welfare of the construction workforce, drawing in social groups that are often overlooked, such as youth and women. The approach tackles language, background, and experience challenges to ensure that training material is in line with the European Pillar of Social Rights. The national dimension emphasises the creation of skills ecosystems that foster local innovation, regional development, and social inclusion. A strong network of partners is formed, connecting academia, industry, and the world of work. The international dimension is further emphasised by the common interest of all four national CoVEs in the Architectural, Engineering, and Construction (AEC) industrial ecosystem.

Project Aim(s) & Objective(s)

The project aims to develop AEC skills at various levels and reach a wide range of learners through an innovative MOOC, the i-LMS platform. Its long-term goal is to promote research for AEC skills in

academic settings, increase data and publications related to AEC skills and CoVE by 30%, boost businesses in the AEC sector in CoVE regions by 20%, and expand the pool of construction workers and AEC professionals in Europe by 10%. The INSIDE-CoVE learning content will be structured capitalising on accomplishments of previous research carried out in partners' key-projects. The Strategy on Construction Skills in Europe as developed in the Construction Blueprint Project will be extended towards addressing aspects such as construction workforce needs, and challenges will be addressed and barriers that prevent the construction sector from accomplishing high employability and increased productivity will be fostered.

Project Outputs

The project innovative content will extend to three core skills groups:

1. Energy efficient design, construction, operation, and processes. This group aims to introduce beneficiaries to all relevant skills towards decarbonising the build environment. EU Taxonomy Environmental, social, and governance (ESG) framework and business-oriented skills including access to sustainable finance for construction companies will be included.
2. Digital design, construction, and operation skills. This group focuses on the horizontal adoption of digital workflows and collaboration processes across all construction stakeholders by maintaining BIM as a common language for all. Construction 4.0 skills will expand across the entire building life cycle.
3. Circularity in design, construction, and end-of-life building lifecycle. This group focuses on design-for-dismantle skills, material reuse and upcycling, safe deconstruction, and waste management.

The three core skills groups will be horizontally including aspects of Health and Safety best practices appropriate for innovative operations as well as Certification and Standardisation processes related to the latest advancements in each respective field.

Project Partner Organisations

BUILDING SYSTEMS INNOVATION CENTRE (BSIC) Greece

UNIVERSITY OF MACEDONIA (UoM), Greece

BUILDINGHOW TEAM IKE (BHOW), Greece

KYTTARO ENALLAKTIKON ANAZITISEON NEON Greece

TECHNIKO EPIMELITIRIO ELADAS (TCG), Greece

MANPOWER EMPLOYMENT ORGANISATION (DYPA), Greece

ICERT ANONYMI ETAIREIA (iCERT), Greece

EDEX - EDUCATIONAL EXCELLENCE CORPORATION LIMITED (UNIC),
Cyprus

ALGOLYSIS LTD (ALGO), Cyprus

TECHNISCHE HOCHSCHULE OSTWESTFALEN-LIPPE (TH-OWL) Germany

David-Roentgen-Schule Neuwied (DRS), Germany

FRAUNHOFER GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN

FORSCHUNG EV (Fraunhofer), Germany

MELZER KALTE KLIMA LUFTUNG GMBH (MZR), Germany

FUNDACION LABORAL DE LA CONSTRUCCION (FLC), Spain

INSTITUT D'ARQUITECTURA AVANCADA DE CATALUNYA (IaaC), Spain

INSTITUTO VALENCIANO DE LA EDIFICACION FUNDACION (IVE), Spain

FEMXA FORMACION SL (FEMXA), Spain

SGS TECNOS SA (SGS), Spain

Technological University of the Shannon: Midlands Midwest (TUS), Ireland

Waterford Wexford Education and Training Board (WWETB), Ireland

LIMERICK AND CLARE EDUCATION AND TRAINING BOARD (LCETB), Ireland

LAOIS AND OFFALY EDUCATION AND TRAINING BOARD (LOETB), Ireland

IRISH GREEN BUILDING COUNCIL LIMITED BY GUARANTEE (IGBC)

Ireland

EUROPEAN BUILDERS CONFEDERATION (EBC), Belgium

EUROPEAN ALUMINIUM (EA), Belgium

Further Information (Project website, social media channels, .pdf links)

Include LinkedIn page if the project has one

Creative/Media Assets (any relevant photos, videos etc.)