

# Off-site industry-towards innovation in construction sector

## PROJECT PARTNERS



Fundación Laboral de la Construcción  
(Spain)



ΠΑΝΕΛΛΗΝΙΑ ΕΝΩΣΗ ΔΙΠΛΟΜΑΤΟΥΧΩΝ  
ΜΗΧΑΝΙΚΩΝ ΕΡΓΟΛΗΠΤΩΝ ΔΗΜΟΣΙΩΝ ΕΡΓΩΝ  
ΠΑΝHELLENIC ASSOCIATION OF ENGINEERS  
CONTRACTORS OF PUBLIC WORKS

Pedmede Somateio  
(Greece)



Knowledge and skills  
management centre  
(North Macedonia).



Zbornica gradbeništva in  
industrije gradbenega materiala

Gospodarska Zbornica Slovenije  
(Slovenia)



Istituto per L'istruzione Professionale dei  
Lavoratori Edili della provincia di Bologna  
(Italy)

## ASSOCIATED PARTNER



Spanish Industrialised Building  
Association



## Aim

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## Project schedule

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## Outputs and results

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## Planned activities

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## Needs covered

### BACKGROUND

The building sector has a direct impact on several of the indicators affecting climate change and energy use, which must be increasingly efficient and rely on the use of renewables to reach agreed climate and energy levels. Therefore, the off-site solution is a real option to ensure sustainable building. Industrialised construction contributes significantly to energy savings by using fewer materials for the manufacture of its products, by shortening construction times (with consequent savings in energy demand) and by prioritising the use of elements made from raw materials that are more likely to be recycled, thus helping to apply the principles of the circular economy throughout the production cycle. The objective of the BuildOffsiteEU project is to develop different tools to fill skills gaps in traditional trades in order to adapt them to industrialised construction.

### Aim

**BuildOffsiteEU** aims at the (re) qualification of the workforce for the transition from traditional to industrialised (off-site) construction in line with environmental and climate change policies and the priorities of the Erasmus+ programme.



### Needs covered

- Identify the different industrialised construction systems.
- Involve different stakeholders in the transition from traditional to industrialised.
- Identify "new skills" to facilitate the transition of labour from traditional to industrialised.
- Boost the construction sector as a catalyst for employability and labour attraction

**BuildOffsiteEU** addresses the adaptation of Vocational Education and Training to the labour market needs in the construction industry and

innovation in the application of VET to address environmental challenges. This leads to the (re)qualification of the labour force for the transition to industrialised construction designing proposals for training pathways to bridge the gap between old and new skills and competences, and establishing a pathway that reinforcing the vocational training offer in order to achieve the goals of environmental sustainability in the the European Union.



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## Partners and schedule

The activities planned in the programme for the 24 months of work include the technical and financial management, the development of various products and results and their outreach to companies, suppliers and vocational training centres, trainers and potential clients from the industrialised construction industry and the general public in Italy, Slovenia, Spain, North Macedonia and Greece.

A partnership composed of partners from five countries with different profiles:

- VET providers: Fundación Laboral de la Construcción (Spain), Istituto per L'istruzione Professionale dei Lavoratori Edili della provincia di Bologna (Italy).
- Business associations: Pedmede Somateio (Greece).
- Research centres: Knowledge and skills management centre (North Macedonia).
- Chamber of Commerce: Gospodarska Zbornica Slovenije (Slovenia).
- As an associated partner, a cluster related to the construction sector: Spanish Association of Industrialised Construction.



## Results

### Other results

- To disseminate the values, benefits and advantages of industrialised construction and the business opportunities it offers.
- To provide innovative and digital tools to vocational education and training centres, workers and other stakeholders in the construction sector.
- To valorise industrialised construction as an innovative process.
- To expand the training offer on industrialised construction in VET institutions at European level.



Fundación Laboral de la  
Construcción

### Project outcomes:

- Digital factsheets on industrialised building systems.
- Interactive map with “new competences” for industrialised construction.
- Training itinerary with proposals for acquiring these “new competences”.

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## ACTIVITIES

### What have we done so far?

The partners met for the first time in March 2023 at the headquarters of the Istituto Professionale Edile di Bologna (IIPLE) in Bologna (Italy). The agenda included an overall presentation of the project by the Fundación Laboral de la Construcción: objectives, expected outputs and results, technical and budgetary monitoring, work programme and definition of the main aspects to be included in the Quality Plan. Of particular importance was the introduction of the approach for the development of WP2. Analysis of industrialised building systems, carried out by the partners responsible for this WP (Pedmede and GZS).



### What are we doing?

We are currently working which includes holding interviews and working groups with experts on various aspects: main systems used in industrialised construction and their characteristics; benefits of industrialised construction and main differences with traditional construction; relationship of

industrialised construction with the principles of circular economy and energy efficiency, and its impact on people and the environment. The information resulting from this nationwide survey will serve as the basis for the preparation of the Digital Factsheets on industrialised construction systems.

### What is left for us to do?

- Establishment of the most relevant professional competences in industrialised construction for the elaboration of the Interactive Map with “new competences”.
- Design of a training itinerary with proposals for acquiring these “new competences”.



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