



# Step into BIM – digitising VET



## About Si!BIM initiative in EU area

Si!BIM project is one of the many project within the Erasmus+ program, dealing with BIM. 48 BIM related construction projects were awarded under Erasmus+ in period 2016-2020.

The aim of Step into BIM (Si!BIM) project is demonstrable innovation and added value to the vocational education training. It focuses on improving digital skills and awareness with specific emphasis on use and relevance of BIM within the construction sector in EU. Good digital skills are essential in today's workplace and is the area in which most of the workforces are critically lacking proficiency.

This project will help employers and employees in tackling the challenges of BIM digital skills training by creating an accessible learning portal. It will enable enhancement of the knowledge and awareness of digital skills for both existing and new entrants into the industry. Innovative and modern technologies will be utilised to support digital training and provide participants with the greater career opportunities and improved career mobility in construction industry VET areas.

The project will explore and evaluate key areas of innovation and best practice in digital skills in Building Information Modelling (BIM), cloud based data handling, innovations in Virtual reality (VR) and Augmented reality (AR) technologies and its use within VET training as well as utilising the 3D model and 'virtual build' in construction. Additionally, efficiency improving digital tools such as 4D (time) and 5D (cost) simulation tools will be integrated into the training materials. Digital skills are currently lacking within the construction sector and action is required in the short and long term to try and prepare the current and future workforce for the challenges the industry is facing. By creating an easily accessible web platform to reach output training materials this project not only aims to support potential and new entrants to the industry but also provide existing workforce with the opportunity to improve their lifelong learning potential enabling them greater work mobility and improving career progression. Learning objectives of the project will evaluate key areas of innovation and best practice in digital skills and in response create training materials to help build skills and awareness in BIM. The materials will be quality tested as part of the project and disseminated through the project website and partners organizations.

The results from the testing will evaluate the effectiveness of the training material and learning taking place as well as how best to utilise the training material in order for learning to take place by the apprentice in their current or future employment. The initial impact will concentrate on the apprentices who take part in the testing process to ensure that the final material are improved through an iterative process Post testing impact and sustainability will be achieved once the final training material is made available through the project website for all construction apprentices in the partner countries to use.



*This publication has been prepared in the framework of the project Si!BIM (2019-2021), no. 2019-1-UK01-KA202-061938, Erasmus + KA2 - VET », co-funded by the European Union. The European Commission's support for the production of this publication does not constitute an endorsement of the contents, which reflect the views only of the authors, and the Commission cannot be held responsible for any use which may be made of the information contained therein.*



## Erasmus+ projects focusing on BIM

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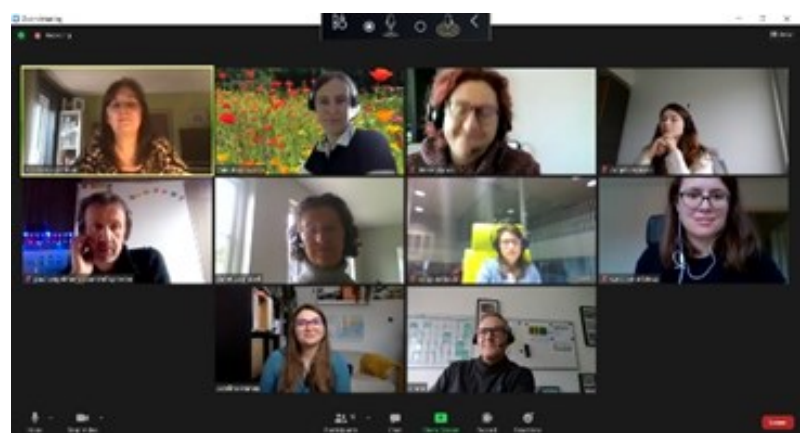
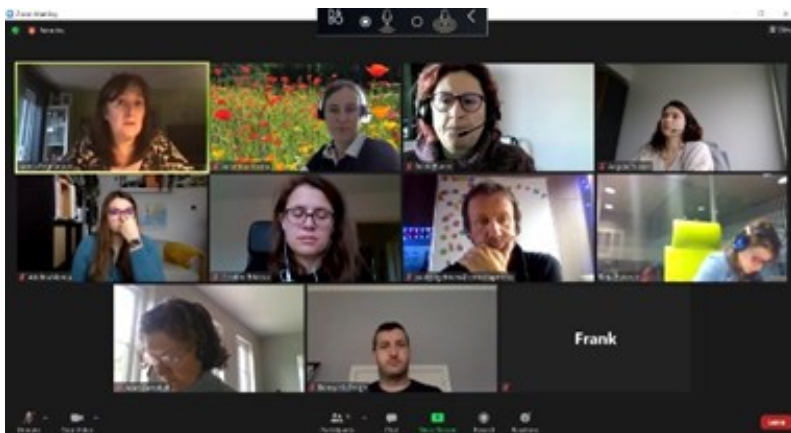
Si!BIM project is unique and innovative because this project will help employers and employees tackle the challenges in BIM digital skills training by creating an accessible learning portal which enhances the knowledge and awareness of digital skills for existing and new entrants into the industry.

Innovative and modern technologies will be utilised to support digital training providing participants with greater career opportunities and improved career mobility in VET areas within the construction industry. The project will explore and evaluate key areas of innovation and best practice in digital skills in Building Information Modelling (BIM), cloud based data handling, innovations in Virtual reality (VR) and Augmented reality (AR) technologies and its use within VET training and utilising the 3D model and 'virtual build' in construction. Additionally, efficiency improving digital tools such as 4D (time) and 5D (cost) simulation tools will be integrated into the training materials. Digital skills are currently lacking within the construction sector and action is required in the short and long term to try and prepare the current and future workforce for the evaluations the industry is facing.

More data on BIM projects: [https://ec.europa.eu/programmes/erasmus-plus/projects\\_en#search/project/keyword=BIM%2520construction&activityYears\[0\]=2020&activityYears\[1\]=2019&activityYears\[2\]=2018&activityYears\[3\]=2016&matchAllCountries=false](https://ec.europa.eu/programmes/erasmus-plus/projects_en#search/project/keyword=BIM%2520construction&activityYears[0]=2020&activityYears[1]=2019&activityYears[2]=2018&activityYears[3]=2016&matchAllCountries=false)

## THE 4<sup>th</sup> PROJECT PARTNERS VIRTUAL MEETING: 11.01.2021

Instead of visiting charming city of Ljubljana in Slovenia and have a face-to-face meeting the 4<sup>th</sup> project meeting, like previous 2, was organized online due to COVID-19 pandemic. Another two more meeting are planned until successful finish of the project and its output final impact can be assessed.



## National Si!BIM info days on BIM

Please follow our web site and project partners web site on next free events

INFO DAY SLOVENIA: *MAY 2021*

INFO DAY BELGIUM: *MAY 2021*

INFO DAY UK: *JUNE 2021*

INFO DAY GERMANY: *SEPTEMBER 2021*

INFO DAY SPAIN: *SEPTEMBER 2021*

More: <http://sibim.eu/>

## SI!BIM FORTHCOMING EVENTS:

### Two-day international virtual BIM workshop 5.5.- 6.5.2021

Two day long international BIM workshop is planned on 5 and 6 May 2021 and will involve apprentices and trainers from each project partners' countries. The workshop was originally planned as 5 day event to be held at Coventry University with all participants staying on the campus but due to the current situation it will take place online. The event will be held in English. The event will be an opportunity to presented and utilise the SI!BIM MOOC and the online materials. It will also be an opportunity for trainer from all partners' countries to exchange some of their own teaching practices. Each of 5 participating countries (UK, SI, DE, ESP, BE) trainers will plan an hourly session that includes project resources and some of their own experiences in BIM teaching and learning methodology and materials. The online workshop is restricted and at this stage organized for invited participants only.



## OTHER FORTHCOMING BIM EVENTS: World Building Information Modelling Events:

Wed, 27 Jan 2021 • 8:00 AM	<a href="#">DOKA takes BIM to the next level with Tekla Structures</a>
Sun, 31 Jan 2021 • 8:00 PM	<a href="#">Exploring BIM Interoperability, Visualization and More</a>
Tue, 02 - Wed, 03 Feb 2021 • 9:00 AM	<a href="#">BIM Project Management for Building Owners</a>
Tue, 09 - Wed, 10 Mar 2021	<a href="#">BIM Project Management for Builders Seminar</a>
Thu, 18 Mar 2021	<a href="#">New Frontiers in Construction Conference</a>
Tue, 23 - Wed, 24 Mar 2021	<a href="#">Implement BIM Projects Legally</a>
Tue, 20 - Wed, 21 Apr 2021	<a href="#">BIM - Integrated Project Management Seminar</a>

More: <https://10times.com/bim>

## OUR NEXT STEPS

1. Si!BIM course specification – **FINALISED**
2. Si!BIM Vocational Open Online Course (VOOC):
  - UNIT1 Introduction to BIM - **FINALISED**
  - UNIT 2 BIM Modelling - **FINALISED**
  - UNIT 3 BIM Management - **FINALISED**
3. Pilot training workshop - **IN PREPARATION**
4. Pilot testing and workshop - **IN PREPARATION**
5. Si!BIM Info Days (UK, DE, SI, ESP, BEL) - **IN PREPARATION**



**CONTACT REPRESENTATIVE FOR MORE:** Coventry University, Sir John Laing, COVENTRY, CV1 5FB,  
T: [aa5163@coventry.ac.uk](mailto:aa5163@coventry.ac.uk) | W: [www.coventry.ac.uk](http://www.coventry.ac.uk)