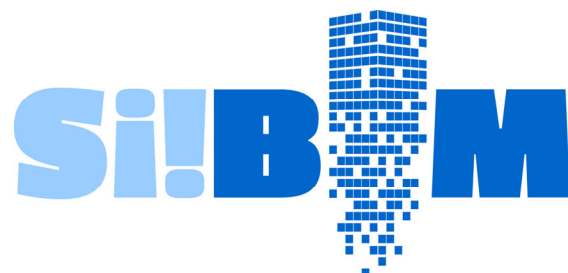




Step into BIM – digitising VET



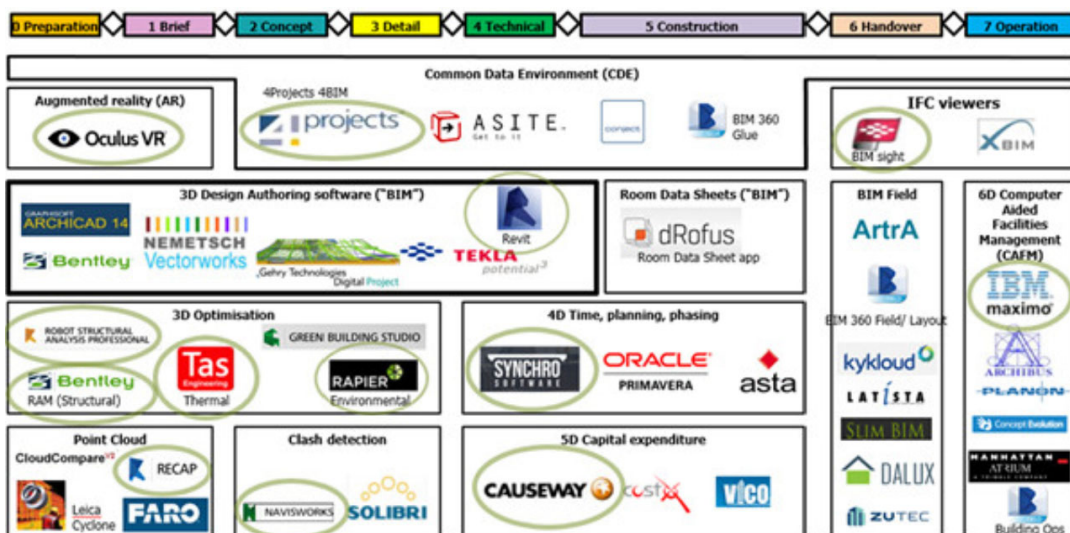
About Si!BIM initiative in EU area

The aim of Step into BIM (Si!BIM) project is demonstrable innovation and added value in vocational education training specifically focusing on improving digital skills and awareness with the focus on use and relevance of BIM within the construction sector in EU. Good digital skills are paramount within a modern industry and an area which most workforces are critically lacking.

This project would 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. By creating an easily accessible web platform to reach output training materials 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 learning taking place through the training material and where it can be used 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 reiteratively improved. Post testing impact and sustainability will be achieved through the final straining material being made available through the project web-site for all construction apprentices in the partner countries to use.



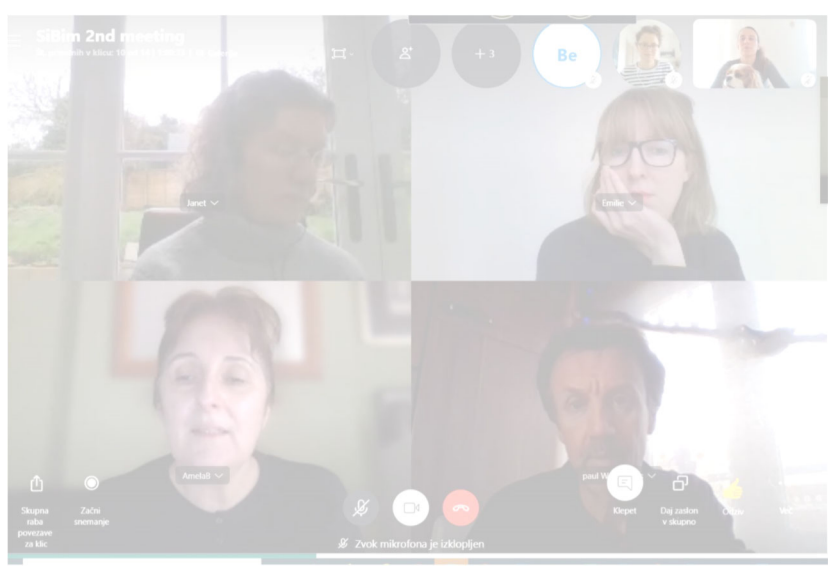
 Funded by the Erasmus+ Programme of the European Union

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.

A SHIFT TO VIDEO CONFERENCING DUE TO CORONA VIRUS PANDEMIA START

International partners continued their expert worked with limited capacities also during the CORONA VIRUS PANDEMIA. The consortium shared first outcomes and outputs via a virtual (web) meeting space in March 2020. A fruitful exchange of partners' ideas set guidelines for next project steps:

- *Planning of the course material and user interaction...*
- *Game overview...*
- *Testing with VET pupils and students...*



SI!BIM REPORT: A BUNCH OF BIM COURSES ACROSS EU AREA IDENTIFIED. FINDINGS ARE ...

It was identified roughly eight types of BIM jobs and very limited trainings / courses for all those, usually BIM courses are designed only for constructions »white collars« such as:

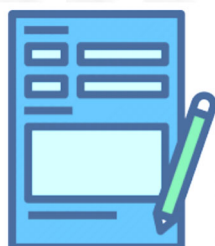
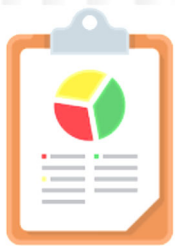
BIM manager, BIM modeler, BIM trainer, BIM director, BIM technician, BIM consultant, BIM marketing manager, and BIM software

BIM CHALLENGE in THE CONSTRUCTION INDUSTRY:

NO SPECIFIC BIM COURSE IN EU AREA FOR OPERATORS, TECHNICIANS, FOREMAN, CRAFTSMAN ETC.

WE CAME ACROSS AN ISSUE:

Where to start designing our BIM training course for construction workers? NO GOOD PRACTICE WAS EVIDENCED.



OUR NEXT STEPS — we offer cooperation

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

CONTACT NATIONAL REPRESENTATIVE FOR MORE:
Coventry University, Sir John Laing, COVENTRY, CV1 5FB,
T: aa5163@coventry.ac.uk | W: www.coventry.ac.uk

BENEFICIARIES INVITED

TO PARTICIPATE IN THE COVENTRY UNIVERSITY STUDY AND TESTING SI!BIM course, equipment and facilities in mid 2021:

1st target group: VET trainers/teachers/mentors dealing with BIM

2nd target group: VET trainees-apprenticeship students studying BIM (3-5 EQF)

3rd target group: current workforce in construction industry - manual labourer and lower management, representatives of VET institutions, SMEs in construction.