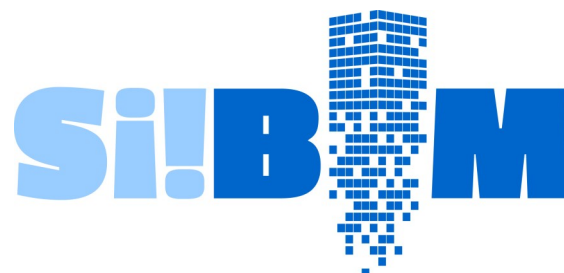




Step into BIM – digitising VET



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.

01/07/2020: The Commission is presenting a new Skills Agenda today setting ambitious objectives for upskilling and reskilling for the next five years

Newly the Commission presented the European Skills Agenda for sustainable competitiveness, social fairness and resilience. It sets ambitious, quantitative objectives for upskilling (improving existing skills) and reskilling (training in new skills) to be achieved within the next 5 years. Its 12 actions focus on skills for jobs by partnering up with Member States, companies and social partners to work together for change, by empowering people to embark on lifelong learning, and by using the EU budget as a catalyst to unlock public and private investment in people's skills. The aim is to ensure that the right to training and lifelong learning, enshrined in the [European Pillar of Social Rights](#), becomes a reality all across Europe, from cities to remote and rural areas, to the benefit of everyone. The Commission is placing skills at the heart of the EU policy agenda, steering investment in people and their skills for a sustainable recovery after the coronavirus pandemic. Businesses need workers with the skills required to master the green and digital transitions, and people need to be able to get the right education and training to thrive in life.



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THE 2nd VIRTUAL MEETING DURING CORONA PANDEMIA TOOK PLACE

European partners continued their expert work in harsh working conditions that nobody expected. Yet another meeting was needed to be realized online only, in July 2020, and partners shared their experiences and insights they have got during last months. Yet it was confirmed again how digital skills are getting extremely important in all walks of life, especially in a world of work, and a construction industry is no exemption. Partners agreed with the latest EC viewpoint that the green and digital transitions as accompanied by demographic trends are transforming how we live, work and interact. EC wants to ensure people have the skills they need to thrive. The coronavirus pandemic has accelerated these transitions and brought new career challenges for many people in Europe. In the aftermath of the crisis, many Europeans will need to retrain in a new skill or improve their existing skills to adapt to the changed labour market. The Skills Agenda aims to improve the relevance of skills in the EU to strengthen sustainable competitiveness, ensure social fairness and build our resilience. Si!BIM aims are fully in line with the latest Skills Agenda. CCIS staff shared with PPs news that in last weeks CCIS even shifted companies showrooms and exhibition to augmented virtual exhibition environment, more: <https://www.gzs.si/future-circles/vsebina/Virtualna-razstava>



OUR NEXT STEPS — we offer cooperation

1. Si!BIM course specification - **DONE**
2. Si!BIM Vocational Open Online Course (VOOC):

UNIT1 Introduction to BIM - **UNDER DEVELOPMENT**

UNIT 2 BIM Modelling - **UNDER DEVELOPMENT**

UNIT 3 BIM Management - **UNDER DEVELOPMENT**

3. Pilot training workshop
4. Pilot testing and workshop
5. Si!BIM Info Days (UK, DE, SI, ESP, BEL)

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

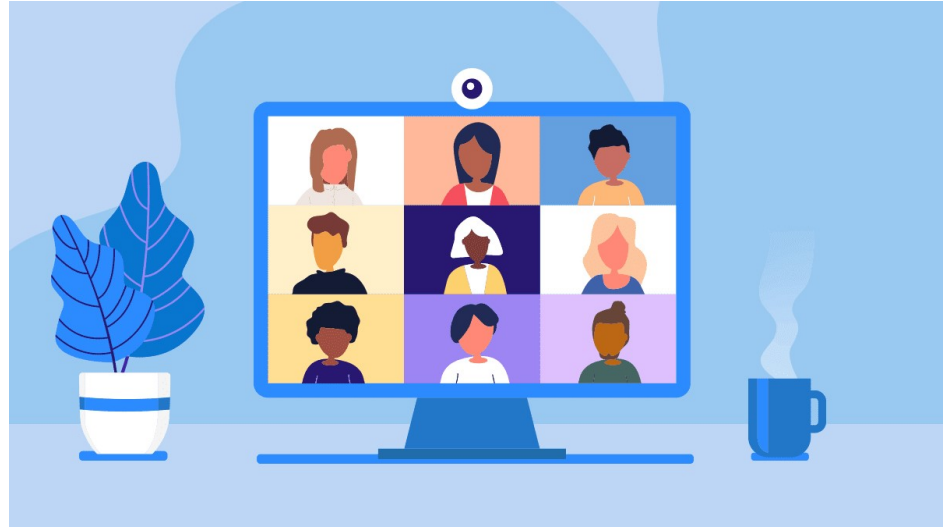
BENEFICIARIES INVITED

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.



BIM CHALLENGE ON EU LEVEL: FIEC June 2020 webinar on actual sectoral issue "Fair relationship with software companies". Some highlights...

WEBINAR 26 JUNE 2020 – CONSTRUCTION/ SOFTWARE COMPANIES

FIEC EUROPEAN CONSTRUCTION INDUSTRY FEDERATION

Main issues

Major concerns

- Dominant position of few software companies/ providers – non-EU origin -

Lack of EU autonomy

- Where is data stored ? By whom ?
- Problem of interoperability !
- Users are locked-in by unfavourable contracts

EU measures needed

- Need for a SECURE European Cloud
- Rules for multiple-user-access platforms
- Need for Software-neutral public contracting authority

— BIM, once in place, is real sunbathing...
"Especially if you have the right software!" They say.

— In practice,

- the perfect tool does not exist
- BIM is not the center but the process which includes all these actors
- if it was so simple on working site...
Based on our experience, sunbathing can quickly turn into a heat wave

— The concept of BIM and its consequences are complex

ABOUT DIGITAL, WHICH INCLUDES BIM

Smart City, Big data, IA, Internet of things, Block chaine, Data lake, Cloud, BIM, Augmented/Virtual Reality

Too many kg

Luckily we have helmets...

- Internet changed how we live
 - Platforms and Intermediaries are game-changers
 - New structure of the ecosystem emerging
- Change coming from private sphere to work
 - Not by renting services and using tools
 - But getting/doing things on a platform
- Opportunities
 - Empowerment of SMEs
 - Delivery of technology, knowledge
 - Integration of processes
- Threats
 - Power and control shifting from lead contractors to platforms