

WHY?

Digi-CVET is a direct response to the changing needs in work life, where in the near future approximately 9 out of 10 jobs will require at least simple but up to advanced digital skills and competences.

Development of contents, scenarios and use cases

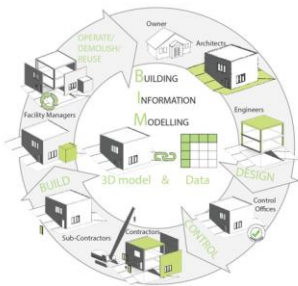


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Chapter 3 – BIM collaboration tools

What is BIM?



Source: <https://www.guidatimendurable.brussels/bim>

BIM is the acronym of **B**uilding **I**nformation **M**odelling.

It is:

1. a **collaborative working method** that uses a **3D digital model** that contains **technical and structured data**.
2. a **process of sharing reliable information** throughout the **life cycle of a building**.

[Introduction to BIM in 2 minutes](#)

Development of technical manuals for learners, trainers and editors



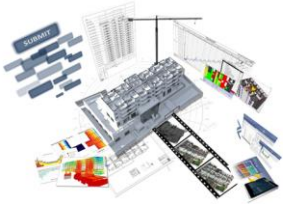
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3D MODELING BASIC TOOL

Project outcome

Using modelling and simulation tools in the architectural project allows to evaluate the performance outcomes.



Source: <https://www.teknozing.com/news/building-information-modelling/gli-strumenti-di-modellazione-e-simulazione-nel-progetto-di-architettura/>

The designer has several modelling tools that formulate results according to the choices made in terms of performance. The models represent the object in a realistic way from various points of view such as: geometric, thermal, resistance and evaluate its behavior with respect to a given manifestation (for example, acoustics) using mathematical relationships. Modelling means predicting the future state of a phenomenon, describing its probable evolution, to understand it and give it an interpretation. Precise input data is required to obtain output data that can then be processed according to the complexity and visualization needs

<https://sites.google.com/view/digicvet>

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Digital Competencies in the Construction Industry

This course seeks to support users to find selected useful features for cross-sector topics within construction contexts. Currently there are offers for dealing with basics in digital communication and collaboration, digital aspects coping with a successful Employer Branding, initial insights into BIM basics as well as into upcoming emerging technologies like augmented/virtual reality and not least how digital aspects can promote for starting initial training in construction. Further more topics and courses will extend and widen this offer in loose order.

Courses

- Module 1: Digital Features to Promote Initial Training
- Module 2: Digital Collaboration in Construction
- Module 3: Employer Branding
- Module 4: Digital Communication
- Module 5: Emerging Technologies



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II. Awakening enthusiasm with digital tools



Source: freepix.com

Principles

- Use **current media behaviour** of the participants
 - As much **information as necessary**, as little **information as possible**
 - Participants should work out the learning content as **independently as possible**
- [Click here for details](#)

Presentation on site and trying it out:

- **Digital measuring tools**
 - Hardware (Tablet, AR/VR glasses)
 - Software for PC, tablet & smartphone, AR/VR
 - **Virtual construction site**
- [Click here for details](#)

Development of a Vocational Open Online Course in ILIAS learn management system



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D. Proper use of social media

2. Potential benefits of social media for construction organisations

The construction companies are using social media for the following applications:

- recruitment
- disseminating company's and/or projects' news
- client networking
- brand awareness
- showcasing innovations



[Use of social media in construction industry: A case study](#)



How to grow a construction company on Social Media



Social Media Marketing for Construction Companies: build a dialogue with your market

Digital European VET Academy for the Construction branch



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III. Rewarding, Recognizing and Celebrating Your Employees

2. Cultivating a Strong Construction Culture

When setting up your company culture set your **vision and values**. Think about the following:

- safety
- diverse and inclusive work environment
- learning development of employees
- mentorship
- ESG (Environmental, Social and Governance)

Engage every employee to live the company **vision and values**. Recognize and reward their efforts.



<https://depositphotos.com/127295332/stock-illustration-business-concept-boss-talking-about.html>



BZB

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