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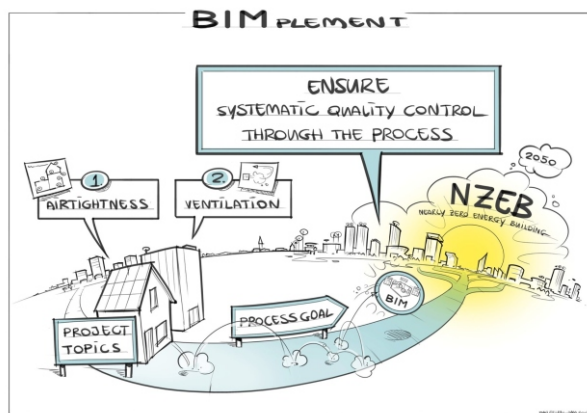
BIMplement

Towards a learning building sector by
setting up a large-scale and flexible
qualification methodology integrating
technical, cross-craft and BIM related
skills and competence.

www.bimplement-project.eu

OVERVIEW

BIMplement is a project financed by the Horizon 2020 programme of the European Union, with a duration of 36 months, in which 9 partners from 5 different countries participate: France, the Netherlands, Spain, Lithuania, and Poland that started in September 2017.



The main objective is to improve the quality in the construction and renovation process of nearly Zero Energy Buildings (nZEB) using BIM as a universal information carrier and facilitator of the learning process within projects and between projects.

BIMplement sets up large scale training, Continuous Professional Development and flexible qualification methodology integrating technical, cross-craft and BIM related skills and competences. BIMplement has trained more than 1,100 professionals (blue-collar and white-collar workers) and the methodology has been tested in more than 40 construction or renovation projects in France, the Netherlands, Spain, Lithuania, and Poland.

RESULTS

BIMplement fully builds on the available results of the related BUILD UP Skills (BUS) and Construction Skills projects combining quality assurance with large scale qualification schemes. The results of the BIMplement project have been uploaded to the open database of the PROF/TRAC project, a key BUS project in which nZEB technologies, professions and skills were mapped

Methodology guides

- A self-instruction guide for implementing BIMplement methodology and Qualifications Framework in other countries and for other topics beyond ventilation and air tightness (D5.2).
- Methodology guide on qualification methodology, raising awareness methodology, methods and supports for contractors (D5.5).

Tools, contents and learning methods

- Tools and learning methods and qualification schemes for BIM workplace trainers (D4.5).
- BIMplement kit: 12-one-hour training sessions, that can be given to site operators by an employee of the company previously trained on the BIM process, the use of viewers, and the use of the BIMplement Kit.
- Catalogue of constructive elements: Software containing a library of elements that can be exported in IFC and imported from any BIM modelling program.

Implementation service concept

- The Implementation service concept developed shows the possible alternative paths, approaches, and tools on how the methodologies could be applied in particular organisational settings (D5.6).

TO KNOW MORE ABOUT

If you want to know more about the BIMplement project, you will find more detailed information on each of the phases of its journey:

Development & Implementation phase

BIMplement has developed and implemented a quality-oriented Qualification Framework. It consists of task based descriptions of competences, skills and knowledge needed in order to connect available knowledge such as learning content and quality inspections to the BIM-model, the building process and the actors involved.

Pilots, demonstration & validation phase

To verify the established matrix and qualification framework, the methodology was tested and validated in more than 40 construction and renovation projects in France, the Netherlands, Spain, Lithuania, and Poland.

Exploitation & replication phase

An exploitation strategy has been developed in order to upscale the methodology to other topics beyond ventilation and air tightness and to other countries by a free and open methodology, implementation services and a shared open development platform.

