

BIM-SPEED FOR BUILDING RENOVATION COMPETITION

BRIEF

TIMETABLE

BIMSPEED COMPETITION TIMETABLE	
Competition Launch – EUSEW 2021	June 2021
Deadline for questions about the competition (?)	July 2021
Deadline for submission	Jan 2022 12:00am (CET)
Shortlisted announcement (projects that complied with minimum requirement?)	Mar 2022
Results announced	June 2022
Prize ceremony (?)	June 2022

Contact for questions – xxx@bimspeed.eu



EU BUILDING RENOVATION SCENARIO

The European building sector accounts for 40% of the total energy consumption and 36% of CO2 emissions. Residential buildings are accounted for over 75% of the existing building stock total area. Half of these buildings were built between 1945 and 1970, before the first thermal regulations came into force. There is a great potential in the building renovation market for investments in retrofitting that can significantly decrease the energy consumption and increase the occupant comfort while reinstating the building to a condition as new.



THE OBJECTIVE

The BIM-Speed project has developed methodologies and tools using the Building Information Modelling process in order to facilitate the deep building renovation process across all design and construction chain actors. The solutions are designed to reduce the cost and time of the renovation process while improving the energy performance of the building.

EU BIM for Building Renovation Competition is launched by BIM-Speed project. The competition aims to invite professionals and students active in the design and construction industry to present a building renovation project that applies the BIM tools and methods developed by the BIM-Speed partners. The challenge is to develop a renovation project using BIM in a way that allows energy saving for the occupants, improves their comfort while reducing the time and the cost of the overall process.



MINIMUM REQUIREMENTS

- The project must be a Residential Renovation Design
- The team must use BIM
- The work developed for the competition must use BIMspeed platform for the competition development
- The team must use one of the BIMSpeed tools available

Deep Building Renovation Project criteria

- More than 25% of the building surface undergoes on renovation.
- The total cost is higher than 25% of the value of the building.

?

Does it involve buildings that have already been renovated, or will the BIM speed tools have to be applied during the renovation process?

Olga Venetsianou



PERFORMANCE REQUIREMENT

Residential Renovation Design should address

- Time savings,
- Cost savings,
- Energy savings,
- CO² emission reduction,
- Quality,
- Availability,
- Accessibility of information,
- Collaboration between the different professional disciplines,
- Supporting end-user involvement

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Olga Venetsianou



CATEGORIES

- Student

- Multidisciplinary Team

An building models will be provided for the development of the design proposal.

- Professionals

- Multidisciplinary Team

- Architects
- Engineers
- Contractors
- Surveyors

Any residential building can be used for the design proposal renovation.



EVALUATION CRITERIA

- Students (?)
- Professionals (?)



SUBMISSION REQUIREMENT

- One written report including
 - Design statement - How the design address the brief regarding the items below:
 - Time savings,
 - Cost savings,
 - Energy savings,
 - CO² emission reduction,
 - Quality,
 - Availability,
 - Accessibility of information,
 - Collaboration between the different professional disciplines,
 - Supporting end-user involvement
- One infographic
 - One infographic that represent the proposed design concept regarding the required brief. The infographic will use for the competition publicity and will be available in a online gallery at the end of the project,
 - The image should be submitted in JPEG format, in xxxx resolution with a width of xxxxxpx. (Can we create a photo gallery in the website with all shortlisted projects?)
- Declaration of Authorship & Acceptance of Competition Regulations



JURY

The Judging Panel* is expected to comprise:

*which may be subject to change

- XXXXX, CEO at xxxx
- Yyyyyyy, Lead Architect at xxxxx
- BBBBBB, Lead engineer at xxxxx
- AAAAAA, Director at xxxxxx

In the event of a Judging Panel member being unable to continue due to illness or any other causes, the BIM-Speed competition organization reserves the right to appoint an alternative panel member.

BIM-Speed organization members will attend the assessments to document the competition process and provide procedure support. (?)



PRIZE

- Professionals

- EU-Wide exposure through BIM-SPEED professionals groups and dissemination channels
- Monetary awards
- Free educational license for BIM tools
- Free license for BIM-SPEED platform

- Students

- EU-Wide exposure through BIM-SPEED professionals groups and dissemination channels
- Presentation of the renovation project on ACE General Assembly
- Presentation of renovation project during the EUSEW2022
- 3 months internship in EU Research and Innovation project (?)



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