



RULES OF THE COMPETITION

2nd EDITION

INTRODUCTION

Working with timber is a meaningful, possible and sustainable project.

Building using such a noble material helps dispel myths about the supposed weaknesses of timber compared to more traditional materials such as reinforced concrete and steel, reducing the ecological footprint of the building sector.

Engineered timber (glulam, OBS, LVL, CLT, etc.) has, over time, made it possible to bypass many limitations in the construction field and contributes to the development of **construction with a very low "carbon footprint"**.

When used correctly, timber is able to store a larger amount of carbon dioxide than is emitted for the collection, processing, transport and assembly operations that will turn it into a home.

Supporting timber construction is in the public interest not only in environmental terms, but also in terms of time management, construction possibilities and living comfort.

Rothoblaas has been providing timber building solutions for more than 30 years and is involved in the dissemination of wood culture by organising courses, seminars and training weeks dedicated to the in-depth study of the most contemporary topics in timber technology.

BUILD THE (IM)POSSIBLE also moves in this direction and is a competition created **to broaden the community of professionals dedicated to the development of more sustainable building.**

Taking part in the competition means contributing to the evolution of timber technology, building higher and with an ever-improving level of living comfort.

Join in.

OBJECT OF THE COMPETITION

The purpose of the **BUILD THE (IM)POSSIBLE competition** is to give international visibility to innovative architectural projects that extend beyond the construction methods used until now.

"Building the impossible" is now possible thanks to the development of new technologies which have given new impetus to **timber as a structural material.**

In today's world scene, there is a growing awareness of respect for the environment, society and healthier, more conscious lifestyles. In this context, living comfort becomes very important.

The competition includes the implementation and enhancement of innovative design proposals in terms of both design and collective interest in environmental sustainability.

The focus of the first edition was the post-and-slab construction system, based on the use of SPIDER and PILLAR connectors, developed through a four-year collaboration with the University of Innsbruck.

The theme of this second BUILD THE (IM)POSSIBLE is the post-and-beam construction system, for which we have recently developed the revolutionary **ALUMEGA** connection. Today, designers and constructors who, like us, are in love with wood, have a solution with extraordinary strength characteristics available to overcome today's construction and sustainability standards. Innovative connection systems for timber beams make it possible to design post-and-beam buildings that are increasingly efficient, economically competitive and able to replace traditional materials (steel and reinforced concrete).

Now it's your turn: imagine, design and participate in the second edition of BUILD THE (IM)POSSIBLE.

PARTICIPATION CRITERIA

Constraints

The competition is open **to projects involving heavy timber frame structures, commonly referred to as post-and-beam. The design constraint is the use of the ALUMEGA connector family.**

Permitted project types

Projects may be submitted in all phases:

- preliminary design;
- final design;
- executive design;
- projects already under construction;
- projects involving the adoption of this construction technique throughout the building;
- projects with a partial adoption of the construction technique.

Target audience

The competition is aimed at players involved in the **building sector, specifically the timber construction sector**; in particular designers, builders, developers, university students, PhD students, researchers or university professors.

No territorial limitation, the competition is international.

Categories

The evolution of building systems, innovation and progress need two categories of players:

1. Designers and builders

Anyone implementing innovations, designing and constructing buildings that field-test the new possibilities, clashing with the regulatory, urban planning, logistical and budget constraints of a real construction site. These are the industry professionals (designers or builders).

2. *Students, researchers, academics*

Who, working on paper, hypothesises, plans and dreams big but without necessarily implementing the project. These are students, PhD students, researchers or university professors.

Two finalists will be selected for each category and there will then be a winner for both.

NATURE AND VALUE OF THE PRIZE

Winning the competition means first of all making direct contact with the *international community* specializing in the timber construction sector.

The professional and personal achievements of the winners of the 2 categories will be emphasised through Rothoblaas communication channels. The selected projects will be an inspiration for other future projects that, we hope, will be just as sustainable and of *interest to the community*.

Promotional activities and prizes

Finalists

Participants submitting the two most interesting projects in both categories will have the right to participate in the final selection of the BUILD THE (IM)POSSIBLE jury and will receive:

- the standard Mass Timber Seminar International 2024 package, including board and lodging;
- a contribution towards the travel expenses of the finalists who will attend the Mass Timber Seminar International 2024 during which the winner will be decided.

Winners

In addition to the prizes listed in the previous paragraph ("Finalists"), the following promotional activities are planned for the **winners**:

- 1 banner on the homepage of the Rothoblaas website for two weeks;
- section of the website dedicated to the competition where the detailed description of the project will be available for one year;
- 1 Facebook post and 1 LinkedIn post on Rothoblaas pages;
- 1 press release at the end of the competition with sending to one of the newspapers in the winners' country of origin;
- Entry ticket and visibility at FORUM HOLZBAU INNSBRUCK 2024, one of the most important events in the world of timber construction.

Clause: In the event that exceptional and/or unforeseeable events directly or indirectly affects the prize, the award ceremony and/or other meetings related to the competition, Rotho Blaas SRL will promptly inform all participants of any changes in the program schedule (cancellations, modifications,

delays). In such a case, the participants will be responsible for eventual own incurred costs, and will not be entitled to compensation from Rotho Blaas SRL.

COMPETITION STEPS

The competition in its full execution - collection of works, selection of finalists and awarding of the winners - lasts for one year (from 17th October 2023 to 2nd December 2024) and consists of the following steps:

- **STEP 1: REGISTRATION AND COLLECTION OF ALL PROJECTS**

You can register from 17/10/2023.

The deadline for registration and submission of documents is **30/08/2024**.

- **STEP 2: PROJECTS SELECTION**

From 01/09/2024 to 15/09/2024, the jury (see the "Jury Composition" paragraph) will meet for the preliminary selection of projects. Two finalists in each category will then be determined and invited to participate in the Mass Timber Seminar International 2024 in Rothoblaas.

An evaluation system will be used for selecting the finalists, which involves scoring them according to set criteria (see the "Evaluation Criteria" paragraph). The jury will prepare a written document explaining the reasons for selecting the finalist projects.

During steps 1 and 2 the competition will be promoted at the most prestigious international trade fairs in the timber construction sector.

- **STEP 3: PRESENTATION OF FINALIST PROJECTS AND AWARD CEREMONY**

From 15/09/2024, the finalists will be invited to attend the Mass Timber Seminar International 2024 at Rothoblaas headquarters where they will have 10 minutes to present their project.

On that occasion, industry professionals attending the seminar will be able to see the selected projects and choose the best in both categories through an evaluation system that will be explained on site. From that moment on, the winners will have international visibility through Rothoblaas' communication channels, until the online and offline publications mentioned in the section "Nature and value of the prize" are completed.

REGISTRATION PROCEDURE

Applications

To apply for BUILD THE (IM)POSSIBLE you need to fill in the application form (subject to acceptance of the policies).

It is not necessary to upload all the material at the time of registration.

File uploading

The deadline for uploading material to the "File submission area" section of the website is **30/08/2024**.

Applications received after the indicated date will not be considered.

DOCUMENTATION TO BE PROVIDED

For the purposes of project evaluation, the following **mandatory** documents are required:

SUMMARY DOCUMENT

- A **summary graphic document in ISO A1 format** containing essential information for the jury's evaluation of the project is also required. Images and short texts highlighting the project's compliance with the evaluation criteria may be included in the document.

The jury will base its evaluation primarily on this document, and will also view the remaining documentation if necessary.

EXHAUSTIVE DRAWINGS

Structural graphic drawings:

- one layout;
- a section of the building;
- some beam-column node type details.

Architectural graphic drawings:

- one layout;
- one section;
- one elevation.

Synthetic report, containing information useful for the evaluation of the design (see paragraph "Evaluation criteria"):

- description of the works, with location and main geometric data (number of storeys, building volume, floor plan);
- description of design choices with reference to load-bearing structures, with particular reference to post-and-beam areas;
- description of the architectural choices, with particular reference to aspects related to the presence of post-and-beam structures;
- for projects that initially involved the use of traditional materials and/or technologies and then converted to the use of timber structures, we are asked to explain the assessments that led to the choice of the timber material;

Images exported from 3D graphics such as renderings or 3D CAD/CAM drawings of timber structures will also be appreciated, which can facilitate the understanding of the project.

Finally, please attach:

- designer's data;
- manufacturer's data (if defined);
- customer's data;
- competitor's identity document;
- contact person for interviews.

.pdf files and high resolution .jpeg images are preferable. However, the use of other formats is not excluded. There is no limit to the weight of the annexes to be uploaded.

COMPOSITION OF THE JURY

The evaluation of the finalist projects will be entrusted to a jury of **5 independent professionals in the field of timber construction**, with no connection to Rothoblaas. During the evaluation phase of the candidate projects, they will be supported by **two internal Rothoblaas supervisors**.

The choice of the winning projects is left to the audience of industry professionals who will participate in the Mass Timber Seminar International 2024.

EVALUATION/SELECTION CRITERIA

On the basis of these criteria and with technical-discretionary judgement the jury will choose a shortlist of 2 finalists in each category, candidates for the final prize:

- **AUDACIOUS STRUCTURAL SOLUTIONS:** particular attention will be paid to projects in which non-standard design solutions are used or which aim to exploit the full potential of ALUMEGA connectors, for example, with the use of structural meshes with particularly important spans;
- **BUILDING DIMENSIONS:** dimensions count, as large buildings allow large quantities of CO₂ to be stored. For this reason, projects of buildings with a high number of storeys or with a particularly large volume will be favoured. For the same reason, buildings with predominantly timber structures will be preferred to projects with an important presence of reinforced concrete or steel.
- **ARCHITECTURAL QUALITY:** the use of columns, instead of walls, for the transmission of vertical loads, allows to free spaces and limit structural constraints. The designer has greater flexibility in the study of architectural solutions that may include open spaces, large glass surfaces, etc. The ability to exploit these qualities, from an architectural point of view, will be a preferential factor in the evaluation phase.
- **TRADITIONAL-TIMBER RECONVERSION:** very often projects that in the first analysis used tradi-

tional materials and/or technologies are subsequently transformed into innovative materials and/or technologies. Projects of this type will also be favoured.

EXCLUSION FROM Italian Presidential Decree 430/2001:

This competition is excluded from the scope of application of Presidential Decree 430/2001 "Regulations concerning the organic revision of the discipline of competitions and prize-winning operations, as well as local events of chance, pursuant to article 19, paragraph 4, of Law no. 449 of 27 December 1997". By virtue of the characteristics defined in these Regulations, the competition in question is in fact one of the cases of exclusion referred to in art.6, letter a): it is a competition for the presentation of a project in a commercial/industrial context, in which the awarding of the prize to the author of the work represents recognition of personal merit and an encouragement in the interest of the community.

PRIVACY POLICY

This Privacy Policy is produced by the Data Controller in compliance with Article 13 of EU Regulation 2016/679 (General Data Protection Regulation).

DATA CONTROLLER

ROTHO BLAAS SRL, with registered offices at Via dell'Adige 2/1, I-39040 Cortaccia (BZ), Italy, VAT No. IT 01433490214, is the Data Controller for the personal data you have provided.

If you wish to make a report, or if you have any requests or wish to exercise the rights referred to in Article 15 *et seq.* of EU Regulation 679/2016, please contact our Privacy Representative by e-mail at the following address: privacy@rothoblaas.com.

TYPE OF DATA PROCESSED, PURPOSES OF DATA PROCESSING AND LEGAL BASIS

Participation in the competition requires the provision of consent to the processing of the following personal data:

- A) Personal and commercial data: name, surname, e-mail, address of residence, profession.
- B) Images and videos.

The purpose of the processing for the data referred to in section A is the:

- identification and admission of candidates to the "BUILD THE (IM)POSSIBLE" competition;
- the sending and receiving of communications relating to the organisation of the "BUILD THE (IM)POSSIBLE" competition;
- be contacted for further information and interviews in order to promote the "BUILD THE (IM)POSSIBLE" competition.

The purpose of the processing for the data referred to in section B is for documentation and advertising purposes: by consenting to making photos and videos, the participant agrees that Rotho Blaas will use photos and videos provided by the user or made before, during and immediately after the event, and their subsequent use free of charge for advertising purposes.

The legal basis for the processing is the fulfilment of contractual obligations and the consent of the data subject.

NATURE OF THE PROVISION OF THE DATA

The User is at liberty to provide the personal data listed in the application to participate in the competition form. Failure to provide the data that is identified as mandatory, however, does not allow admission to the "BUILD THE (IM)POSSIBLE" competition. Failure to provide data that is identified as optional, on the other hand, could lead to the provision of an incomplete service.

DISCLOSURE AND DISSEMINATION OF DATA TO THIRD PARTIES

In order to fulfil the specified objectives, some data may be disclosed to Group companies; external parties/companies to whom the disclosure of the personal data proves to be necessary or, in any case, functional for the purpose of performing the requested service or for the management of the contractual relationship with the data subject (hosting companies or services companies and/or professionals providing services for the management of commercial communications) under the control of the Data Controller.

The data controller will disseminate the personal data provided by the above mentioned User through its web communication channels and in paper format, both in the context of the competition and for the awarding of the prize and for the effective performance of the promotional and marketing activities preceding, concomitant and subsequent to the competition itself.

TRANSFER TO THIRD COUNTRIES

The personal data provided by the data subject may be processed or transferred to a country outside the EU for the above-mentioned purposes in accordance with the applicable legislation in relation to the transfer of data to Third Countries and the relative guarantees as provided therein (Article 44 *et seq.* of EU Regulation No. 679/2016).

DATA PROCESSING METHODS AND RETENTION TIMES

Data processing of the gathered data is carried out through computerised procedures or, in any case, by digital means by internal or external parties specifically appointed and authorised for such purpose and committed to confidentiality terms. Data is processed and stored using appropriate tools to ensure its safety, integrity and confidentiality through the adoption of adequate security measures. In particular, communications relating to the competition are sent by e-mail to the addresses provided by the participants.

The personal data provided by the concerned party will be kept for a period of 10 years after the award ceremony.

RIGHTS OF DATA SUBJECTS

The data subject may, at any time, exercise their rights, find out about the data that concerns them, how it was acquired, receive information about the parties or classification of parties to whom their data may be disclosed, verify that their data is accurate, complete, current and safeguarded, receive their data in a commonly used structured format, readable on an automated device, revoke any consent given at any time to process their data, request its deletion, and fully or partially oppose the use of their data. In addition, data subjects shall have the right to revoke consent at any time without prejudice to the legality of the processing based on consent provided before revocation and to file a complaint with the applicable authority, the Italian Data Protection Authority (Garante per la Protezione dei Dati Personali), should they believe that the processing of their data is in violation of the above-mentioned Regulation.

Rotho Blaas SRL is the PROMOTOR of the competition.