

## contest

"Building the impossible" can be done today 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 and more conscious lifestyles.

At Rothoblaas we firmly believe in these concepts and in our thirty years of history we have tried to develop innovative, simple and effective solutions at the service of timber-related building technology.

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

## about

The competition highlights innovative projects from the point of view of both design and collective interest in environmental sustainability. We, as Rothoblaas, have done our part: a four-year collaboration with the University of Innsbruck (Austria) and with certification bodies led to the development of two product families with extraordinary performance and a highly innovative character, called SPIDER and PILLAR, with a total of 130 different models tested during the project.

**The competition is open to projects in which flat floors, placed precisely through SPIDER and/or PILLAR systems, are used. The projects can be submitted at all stages: preliminary, final or executive design, as well as projects under construction or which have participated in competitions for ideas. Both projects where this construction method is used in the whole building and projects where this construction method is only partially used are allowed.**

We have accepted the challenge and completed it, and now, with the support of the University of Innsbruck, **we are ready to challenge your creativity: who will be able to surprise us more?**

[buildtheimpossible.rothoblaas.com](http://buildtheimpossible.rothoblaas.com)

## jury

**Dipl.-Ing. Dr. techn. (D. Eng.) Roland Maderebner**  
Senior Scientist at the Leopold-Franzens University of Innsbruck (A), research expert and designer of the SPIDER connector.

**Univ.-Prof. Arch. Dipl.-Ing. (D. Arch.) Hermann Kaufmann**  
Director and founder of HK Architekten, holder of the chair of design and timber construction at the Technical University of Munich (D), he was awarded the Global Award for Sustainable Architecture in 2007.

**DDipl.-Ing. Dr. techn. (D. Eng.) Thomas Moosbrugger**  
Member of national and international standardisation committees for timber constructions and timber products.

**Peter Lang**  
Co-owner of Rothoblaas, Member of the Board of Directors. Creator of the competition and expert in the field of construction at Mass Timber.

**D. Eng. Ernesto Callegari**  
Product Line Manager of Rothoblaas, structural engineer, part of the fasteners development team of the Rothoblaas technical office.

FORUM  
HOLZBAU  
INTERNATIONAL

universität  
innsbruck

Whether you are a professional designer, a novice designer or a student in the middle of his/her education, put yourself to the test!

**TAKE PART IN THE COMPETITION AND BE PART OF THE TIMBER MULTI-STORY HISTORY!**



Registration and full regulations on:  
[buildtheimpossible.rothoblaas.com](http://buildtheimpossible.rothoblaas.com)

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**rothoblaas**  
Solutions for Building Technology

Build the  
**(IM)POSSIBLE**



Rothoblaas' International Design Contest



## steps

1

### Registration and collection of all projects

It is possible to register from the 30<sup>th</sup> of November 2020. To submit your application, you must fill in the registration form (subject to acceptance of the policies) by uploading all the necessary documentation by 31 August 2021.

2

### Project selection

From 1<sup>st</sup> to 15<sup>th</sup> September 2021 the jury will meet for a preliminary selection. 3 finalists will then be announced. A system which provides for the assignment of a score to each evaluation criterion will be used for this purpose. The jury will also prepare a written statement explaining the reasons for this result.

3

### Presentation of finalist projects and award ceremony

From 15<sup>th</sup> September 2021 the finalist candidates will be invited to the November 2021 Mass Timber Seminar to be held at the Rothoblaas headquarters in order to present their projects to an audience of sector professionals. The course participants will choose the project they consider the most appropriate through an evaluation system that will be explained on site, thus proclaiming the winner.

**From that moment on, the winning project will be internationally visible through Rothoblaas' communication channels.**

Build the  
(IM)POSSIBLE

## award

The project that wins the first prize will be an inspiration for other future projects that we hope will aspire to sustainable solutions of community interest.

**Winning the competition will mean having a direct channel with the international community specializing in the timber construction sector: the projects will be evaluated by leading figures in the sector.**

### PRIZES:

#### For the 3 finalists:

- Free gift of the standard November 2021 Mass Timber Seminar package, including board and lodging.

#### For the winner:

- Full premium ticket of the Mass Timber Seminar;
- Return trip from the country of origin;
- Return transfer from Cortaccia to the Forum HolzBau in Innsbruck (Austria) and the overnight stay in the Austrian city.
- Visibility of the project on Rothoblaas' website and social channels;
- Visibility of the project to the main events of the sector.

**MASS TIMBER  
SEMINAR**

Italy - Cortaccia (BZ)



**FORUM  
HOLZBAU  
INTERNATIONAL**

Austria - Innsbruck



## SPIDER



SPIDER is the system which makes it possible to build timber skyscrapers with a column-to-floor system, eliminating all the beams and offering the possibility of creating free spans of more than 7 x 7 m. In addition to multi-storey buildings, SPIDER opens new architectural horizons, making it possible to create structures with large spaces, a reduced number of columns and large windows.

## PILLAR



PILLAR allows the construction of floors with column-to-floor system without beams, without the need of special connections between panels and with free spans greater than 3.5 x 7 m.

It is excellent for multi-storey buildings on columns where, hidden inside their footprint, it allows to achieve floor finishes with reduced thickness. It withstands compression up to over 500 tons and used in combination with the SPIDER system is ideal for use on columns in the corners or on the perimeter of the structural mesh.