

Call for entries

woodencycity **An open competition for students**

For the fourth time, proHolz is launching an interdisciplinary, international and open competition on building with wood. On the basis of three selected project sites in the cities of Munich, Berlin and Vienna, the 2022 edition explores the densification potential of building with wood in urban space. **proHolz Austria** is launching the Student Trophy 22 in cooperation with **proHolz Bavaria**.

1. Competition brief

As in the previous edition of the competition, the proHolz Student Trophy 2020, the task is to explore urban densification potential using wood as a construction material. Urban agglomerations in Central Europe are characterised by growing populations, and the consequences of this development are urban sprawl at the periphery entailing land consumption, overwhelming traffic volume, and a great need for additional infrastructure. This requires rethinking the use of resources and of building land. As a reaction and response to this development, the proHolz Student Trophy 22 focuses on **extending, adding to** and also **redeveloping the existing urban fabric**.

The basis for competition entries is one model project site each in the cities of **Munich, Berlin** and **Vienna**. For more information and details, go to: proholz-student-trophy.at

Competition entries should consider the following aspects in particular:

_ **Interdisciplinary approach in planning teams** (at least 2 students) from the fields of architecture and civil engineering, and optionally from specialisations such as fire protection, building physics, building technology, etc.

_ **Creating affordable housing**, as well as a lively street-level zone that offers added value for the occupants and the neighbourhood based on local needs, e.g. coworking spaces, small business spaces, repair shops, retail spaces, coffee shops, meeting points, etc. The new building volume should include at least 1,400 m² of floor space and at least 4 above-ground levels.

_ **Efficient use of floor space**, compact and well thought-out floor plans, smart flat types that provide flexibility during the building's lifecycle, affordable flats (30-90m²).

Open spaces for the building occupants that also contribute to **climate mitigation** in the urban context (overheating in summer, air quality).

Access areas that make economic and functional sense, **accessibility, escape route planning** and proposals for **fire protection**.

_ **Building systems and logistics**: The construction method is **wood construction** or **hybrid wood construction**. Prefabrication of elements in the factory with a degree of standardisation and systematisation suited to the planning project. Attention on coordinated processes, from production of the elements and transport to assembly logistics on site. Bearing in mind during planning process the sustainable use of resources (circular economy) and dismantling of building components.

2. Materials provided by the organiser

- _ proHolz Student Trophy 22 logo
- _ Format template for submission of project poster
- _ Description of competition sites
- _ Planning documents for project planning (in dxf, dwg, pdf, tif and/or jpg format):
 - site plan, ground plans, 3D model, system sections, views etc.
- _ Photos of the buildings and their surroundings, aerial view of the site

The descriptions of the individual project sites, background information and materials for the design projects are available on the website proholz-student-trophy.at

3. Jury and evaluation criteria

- _ Dipl.-Ing. Aramis Glück, MSc, Head of Construction Management Dep., Wiener Wohnen, Vienna AT
- _ Dipl.-Ing. Michael Schluder, Architect, Schluder Architekten, Vienna AT
- _ Dipl.-Ing. Kurt Pock, civil engineering consultant, Klagenfurt AT
- _ City Building Councillor Prof. Dr. Elisabeth Merk, Dep. of Urban Planning and Building Regulations, Munich DE
- _ Dipl.-Ing. Frank Lattke, Architect BDA, Lattke Architekten, Augsburg DE
- _ Dipl.-Ing. Gordian Kley, construction engineer, merz kley partner, Dornbirn AT
- _ State Secretary (ret.) Prof. Arch. Regula Lüscher, Urban Development and Housing Dep., Berlin DE
- _ Dipl.-Ing. Markus Lager, Architect BDA, Kaden+Lager, Berlin DE
- _ Dipl.-Ing. Carsten Hein, Associate Director, Structural Engineering, Arup, Berlin DE

Chairman of the jury

- _ Mag. Arch. Et. Art. Maximilian Rudolf Luger, Architect, Luger & Maul Architekten, Wels AT

Design project evaluation criteria

- _ Architectural quality of the overall design, interaction with the surrounding building stock
- _ Quality of space use and floor plans (areas, uses, lighting, etc.)
- _ Functional and innovative quality of the construction
- _ Transferability, multiplication of functional parts, systemic wood construction solutions
- _ Efficient and smart use of resources

4. Prize money

The prize money for the proHolz Student Trophy 22 is 15,000 euros in total.

The following prizes will be awarded: 1 winning project for each of the 3 project sites will be awarded 3,000 euros, and 2 special mentions for each of the 3 project sites will be awarded 1,000 euros each.

5. Participation

All students of **architecture** and **civil engineering** enrolled at a university or college (in any country) in the winter term of 2021/ 2022 are invited to participate in the competition. Competition entries must be submitted by interdisciplinary teams of students (at least 2 students per team).

6. Project documentation

Projects can only be submitted in digital form and must be uploaded to the website proholz-student-trophy.at

The following materials are required for submission:

_ Information on the project team, copyrights, data protection

_ Project description in pdf format, max. 10 pages in DIN A4 format, giving details on the following:

Basic design to fulfil the brief and meet the requirements

Artistic aspects of the overall design

Technical report (load-bearing structure, systemic solution, building technology, building physics, fire protection, etc.)

Logistics plan for the process from production to the building site, transport and on-site assembly

Sustainability aspects, measures to improve the urban climate (heat, air quality)

_ 2 project posters

The project must be presented on 2 posters (pdf format, layout as in the template) sized 70x100cm with the following content:

Site plan (1:500)

Floor plans (1:250), sections (1:250) and views (1:250) complete with explanatory notes to provide insight into the project

Typical floor plan of at least one flat at a suitable scale (1:100 or 1:50)

Typical façade cross-section with information on construction, materials, structures (1:50)

Typical details at a suitable scale (1:5 or 1:10)

Structural design and explanatory notes as needed for insight into the project

At least two visualisations of the project or photos of the model and additional perspective views

_ Presentation video made by the project team

Video with a maximum length of 4 minutes explaining the basic idea and the design project.

The video serves as a basis for evaluation by the jury in addition to the planning documents.

7. Schedule

Competition launch

June 2021 on the website proholz-student-trophy.at

Kick-off event

Wednesday, 20 October 2021

Information event streamed live – presentation of the design task at the Technical University of Munich

Submission deadline

Thursday, 31 March 2022

All design documentation must be received by proHolz Austria by 31 March 2022, 0:00 hrs at the latest. Entries must be submitted in digital form and uploaded to the website proholz-student-trophy.at.

Jury

Preliminary selection

April 2022: selection of the 6 best projects for each of the 3 project sites (Munich, Berlin, Vienna)

Final selection

April 2022: selection of the winning projects and special mentions (1 winner and 2 special mentions for each project site). The jury's recorded decision is final and cannot be contested. Recourse to legal action is excluded. All participants will be informed of the jury's decision.

Award ceremony

Thursday, 19 May 2022: event streamed live from TU Wien (Vienna University of Technology).

8. Contact for any questions

proHolz Austria

Arbeitsgemeinschaft der Österreichischen Holzwirtschaft

Am Heumarkt 12

1030 Vienna, Austria

www.proholz.at

Project lead: Dipl.-Ing. Sieglinde Weger

weger@proholz.at

T: 0043 664 1253142

www.proholz-student-trophy.at