

6th International
Hawa Student Award 2023

Space for a whole life



Competition program

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1. Initial situation

1.1 Starting point

Two trends in residential construction have emerged in recent years in Europe's major towns and cities. First, there is a significant undersupply of housing and rents are rising. Second, demand for office space is shrinking, so well situated office buildings are increasingly becoming available for conversion into apartments.

In response to the difficult situation in the housing market, nonprofit home building in towns and cities has been gaining ground. Concepts that offer residents more than standard residential buildings are becoming more widespread. These projects include housing for a variety of forms of housing targeted at different user groups and living arrangements, such as families, older people, separated couples, blended families, or shared accommodation for all ages.

A number of factors are pushing up city office vacancy rates. These include new workplace concepts, based on hot desking and remote work, as well as new office layouts that result in smaller space requirements. In addition, some companies with no customer footfall are partially relocating their offices to more affordable edge-of-city locations with good transportation links.

Covid-19 has only reinforced this trend, such that increasing numbers of people are working from home. What was barely conceivable pre-pandemic is now commonplace. Not only large companies, but smaller SMEs too, are toying with the idea of shrinking their often-costly office spaces by ceasing to provide all employees with their own workstation.

These vacated office spaces offer new opportunities for nonprofit housebuilding in towns and cities. To boost sustainability and conserve material resources, unused office buildings are not simply being demolished to make way for housing projects, but converted into living space. Most office buildings have a simple structure, with supports and concrete ceilings as a supporting structure, which facilitates a wide variety of design solutions, while the higher ceilings open up options for interesting room layouts.

1.2 Objective

The aim of this anonymous competition is to identify potential solutions for the conversion of an office building into long-term living space.

Designs should meet the following objectives:

- They should offer housing for a variety of user groups and living arrangements, such as families, single persons, older people, separated couples, blended families, or shared accommodation for all ages.
- As well as housing, the proposed solution should offer a microcosm of businesses, offices, coworking spaces, professional practices, and communal spaces.
- The additional offering should also provide attractive infrastructure for the wider neighborhood.
- The building should offer suitable accommodations for people in different life phases or situations, or it should be possible to do so with flexible adaptation.
- Projects should meet high standards of social sustainability. The key is that the different housing types/living arrangements and easy adaptability should make it possible for people to live entirely without leaving the building.

2. General Terms and Conditions

2.1 Organizer

The organizer of the procedure is:

Hawa Sliding Solutions AG
Untere Fischbachstrasse 4
8932 Mettmenstetten
Switzerland
www.hawa.com

2.2 Procedure type / general principles

The procedure type is a single-stage, anonymous competition in a public procedure for students of architecture.

Individual work and teamwork are permitted. One project (without variants) per team may be submitted.

The task may also be worked on as part of a term paper.

By submitting a design, the participants are declaring their commitment to this program and answering the questions. The organizer is committed to the program in the same way. The participants will accept the jury's decisions, including discretionary decisions.

2.3 Participants

Eligible are enrolled students of architecture, interior architecture and design, as well as graduates of these disciplines who will graduate in 2022.

2.4 Language

The language for the competition is German.

2.5 Jury / awards

The organizer uses the following jury to judge the competition:

Adjudicator with voting rights:

- Prof. Andrea Deplazes
Dipl. Architekt ETH/BSA/SIA, Chur ETH Zürich
(Swiss Federal Institute of Technology, Zurich)
- Prof. Hans Gangoly
Dipl.-Ing. Architekt, Graz Technische Universität Graz
(Graz University of Technology)
- Prof. Bettina Götz
Dipl.-Ing. Architektin, Wien Universität der Künste Berlin
(Berlin University of the Arts)
- Prof. Tina Gregoric Dekleva
Dipl.-Ing. Architektin, Ljubljana Technische Universität Wien
(Technical University of Vienna)
- Prof. Dominique Salathé
Dipl. Architekt ETH/BSA/SIA, Basel Fachhochschule Nordwestschweiz
(University of Applied Sciences and Arts
Northwestern Switzerland)
- Prof. Michael Schumacher
Dipl.-Ing. Architekt, Frankfurt Leibniz Universität Hannover
(Leibniz University Hanover)

Professional judges with voting rights:

- Ezequiel Di Claudio CEO Hawa Sliding Solutions
- Anke Deutschenbaur Hawa Sliding Solutions

Other consultants and experts without voting rights may also be involved.

The total prize fund for the competition is 15,000 Swiss Francs. The number of prizes and the distribution thereof will be decided when judging takes place.

2.6 Procedure supervision

The supervisor for the procedure is:

Daniel Kopetschny
Architekt FH/STV
Schützenstr. 5
8800 Thalwil
Switzerland

2.7 Preliminary examination

The preliminary examination will be carried out by the procedure supervisor and the consultants and experts without voting rights.

2.8 Intellectual property rights

By registering, the participants confirm that their designs, plans and documents become the property of the organizer when they are submitted. At the same time, the participants grant the organizer a non-exclusive, unrestricted, free, transferable and sub-licensable license to use the designs, plans and documents for the purpose of carrying out the competition and all of the associated events and publications. The copyrights and all other intellectual property rights are retained by the participants.

2.9 Data protection

By registering, the participants agree for their personal information including their first name and last name, age or year of birth and university or institution to be processed by the organizer for the purpose of carrying out the competition and all associated events and publications. The organizer is particularly entitled to publish details of the participants and their designs and send them to third parties and partners such as Hochparterre and other magazines for publication.

General information on data protection at the organizer's can be found in the privacy policy at <https://www.hawa.com/en/footer/privacy-policy>.

3. Deadlines and documents for the competition

3.1 Deadline overview The following deadlines have been scheduled for the competition:

- Tendering Week 9 / 2022
- Competition program available for download Week 9 / 2022
- Close of registration with submission agreement 31.08.2022
Registration takes place at hawastudentaward.com
- Questions regarding the competition task can be sent by email to the procedure supervisor until 31.07.2022 at:

studentaward@hawa.com 31.07.2022
- The answers to the questions will be published anonymously at hawastudentaward.com 26.08.2022
- **Work submission deadline** **28.10.2022, 0:00 hrs.**

The submission of the competition entries is done digitally with the upload of the documents via the website hawastudentaward.com
- Preliminary examination Week 44-45 / 2022
- Judging Week 47/ 2022
- Informing winners Week 48 / 2022
- Informing all participants Week 50 / 2022
- Award ceremony, opening day and exhibition March 2023

3.2 Questions / answers

Questions regarding the competition task can be sent by email to the competition supervisor by July 31, 2022: studentaward@hawa.com. The answers will be published anonymously at hawastudentaward.com in the competition documents area under questions/answers.

Please send questions regarding the implementation of the competition to info@hawa.com.

3.3 Documents for the competition

The following competition documents are available for downloading at hawastudentaward.com. The planning data may only be used as part of this competition.

1. Competition program PDF
2. Planning data DWG, DXF, PDF
3. Location images JPG
4. Contributor sheet DOC, PDF
5. Video about the task
6. Video with residential stories

3.4 Documents to be submitted

The competition participants must submit the following documents:

1. **Plan A0 portrait format, digital, PDF (preferably vector data, min. 240 dpi)**
2. **Plan A3 format, digital, PDF, (reduced size)**
3. **Contributor sheet, proof of study (scan)**

The documents are to be uploaded as a ZIP file.

The competition entry must be displayed on a maximum of 1 sheet of A0 (119 x 84 cm, portrait) and submitted labelled with a password. All floor plans must be orientated in accordance with the situation, with north at the top.

- Situation plan Display of project proposal as a top-down view 1:500 incl. the immediate surroundings
- Floor plans all necessary floor plans 1:200 as an overview for understanding the proposed solution; and a representative section of a floor plan
- Sections, façades detailed sections at a suitable scale as far as they are necessary for the understanding of the project proposal
- Visualization in addition to the explanation of the project idea, atmospheric renderings, conceptual sketches, model photographs desired.
- Explanatory report with details of concept, for structural and material implementation

The participants whose projects are among the top ten entries are obliged to make their high-resolution data available within 5 days of notification.

3.5 Anonymity / labelling

The competition will be conducted anonymously. The plans to be submitted are to be labeled with a freely selectable password (e.g. "A whole life", "123_Living", "222333555" or similar) and the note "Hawa Student Award 2023 - Space for a whole life".

The anonymity of the authors is guaranteed - despite digital submission - by the fact that the entries labeled with a password are managed by the supervisor for the procedure. The announcement of the project authors will only take place after the judging.

3.6 Author sheet

All authors of the competition entry must be listed in the author sheet. The completed and signed author sheet must be uploaded together with scans of the valid enrollment certificates and the plans.

3.7 Submission / deadline

The submission of the competition entries takes place digitally with the upload of the documents (as a ZIP file) on the website hawastudentaward.com.

All documents must be uploaded to www.hawastudentaward.com by Friday, 28.10.2022, 0:00.

3.8 Judging, report, exhibition/ communication

The judging shall be carried out by the jury and the involved consultants and experts in November 2022.

The competition result shall be recorded by the jury in a written report. The top ten projects will be briefly introduced and evaluated in the report. The entries can be

published for marketing and advertising purposes (publication in specialist magazines, on websites etc.) together with the names and other information about the contributors.

The exact date and location of the award ceremony, the opening day and the exhibition will be made known to the participants in due course.

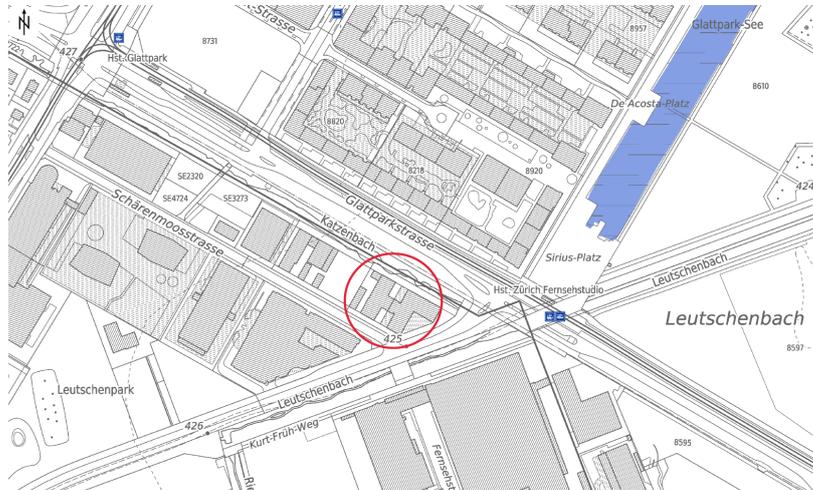
4. Planning guidelines and notes

4.1 Competition perimeter

The planning perimeter for the competition is located in the north of Zurich, adjacent to Glattpark in the Opfikon district. The site is bounded on the northeast by Glattparkstrasse and the Katzenbach stream, by Schärenmoosstrasse on the southwest, and by Leutschenbachstrasse and the Leutschenbach stream on the southeast. A new neighborhood has grown up over the last 20 years to the northeast of the site, providing space for several thousand inhabitants and numerous jobs. To compensate for this high density, an open space of several hectares with a park and lake was also created. The property is well served by public transportation and is therefore easily accessible for non-car owners.

Swiss Television's 1962 office block stands on lots SE4861 and SE4862 and is connected to the Swiss Broadcasting Corporation (SRG) television studios by a footbridge. The six- or seven-story structure was built using a skeleton frame method of columns and concrete slabs for maximum freedom over the floor plan layout. This construction offers optimal conditions for converting the building to residential purposes, making it particularly well suited for the competition task.

The property belongs to the PWG, a foundation maintaining affordable housing and commercial premises in Zurich and is currently fully leased. The PWG has kindly provided the planning data for the building as part of this competition eliciting ideas from students.





The planning perimeter area is partially exposed to high noise levels due to its close proximity to roads on three sides. Achieving the best possible noise protection by using suitable measures (orientation of sleeping areas, balconies, etc.) is therefore essential.



North-west view



South-west view



South-east view



East view



Katzenbach

4.2 Legal principles

Since this procedure involves a virtual task within the scope of a competition for students, the planning regulations will be essentially ignored. However, barrier-free design of public and private spaces must be taken into consideration in the designs. Only the drawn-in borders of the planning perimeter are binding. Distance from bodies of water, elevation and number of storeys etc. do not need to be taken into consideration.

5. Task

5.1 Thoughts about the task

Given the starting point, a fixed specification of space programming for living spaces would not result in a particularly exciting competition task. It would be relatively easy to rearrange the building layout, since the well-placed utility shafts, the existing structural frame, curtain-wall façade, and shallow building depth mean it presents no major challenges. Therefore, a different kind of task was chosen for the competition, so as to give participants more design freedom in their proposals for conversion of the existing building. Additions, extensions and alterations are permitted within reason.

5.2 Task

Fictitious housing and life stories serve as a starting point from which the spatial needs of residents and users can be derived.

In essence, the building is intended to form a small microcosm that offers residents additional services, such as being able to live and work in one place and providing other facilities for the surrounding neighborhood (car sharing, cargo bike sharing, shopping, sports, yoga, childcare, etc.).

What is required is not just the provision of suitable accommodations, but a project with a high level of social sustainability. It should enable the residents to spend their whole daily lives in the same building. This in turn requires a structural design with a high degree of flexibility and one that can adapt to the changing needs of the residents. Elements of this include rooms for different living arrangements and the ability to make spatial changes without any major intervention—for example, by joining small apartments to larger units, or by connecting or separating individual rooms.

5.3 Housing stories

The following fictitious housing story and the residents of 115/117 Schärenmoosstrasse who appear in it form the basis for the rooms required in the building.

Seraina Grüter (40) lives with her two children, **Tim (13)** and **Tanja (16)**, in the building at 115/117 Schärenmoosstrasse in Zurich. She has taken over her parents' 3.5-room apartment where she herself grew up. Luckily, an additional room, with a shower and toilet—which can be used to expand individual apartments into larger units—became available next to the apartment on the moving date. Since the 3.5-room apartment for her and her two children is a bit small, Seraina rented the room for her daughter, Nadia. Seraina's parents, **Rahel** and **Hans Grüter (65 and 67 respectively)**, have moved into a large cluster development within the building where they now live with four other retired couples.

Seraina separated from her husband Philipp (48) two years ago and he now lives in a single person's apartment in the building. This means that Seraina and Philipp can provide shared parenting. Both like the building's infrastructure with its grocery store, café, small gym, doctor's office, and a lunchtime menu in the communal space. They also feel comfortable here because it is where multiple generations live side by side. Seraina and Philipp's children were born in the rented birthing center and later attended the on-site crèche. Seraina and Philipp do not own a car. But they use the two car sharing vehicles parked on the site or one of the cargo bikes, which they can book by app.

Seraina is a co-owner of a transportation planning office with six employees. This office is also located in the building. Geography student Vera **Lukesch (23)** is currently completing an internship there, while living in the ten-person student accommodation in the building. In order to balance the demands of looking after two children and her job, Seraina works alternately in the office and in her work corner in the apartment.

On the floor above Seraina live **Luzia Walder (54)** and her husband **Tom (54)** in a 2.5-room apartment. The two women know each other from a yoga class at the studio in the building. Luzia, who works as a journalist, often uses one of the coworking spaces in the building. Tom is a self-employed accountant who also looks after the building's reception desk. This is where the residents can pick up packages deliveries, book communal rooms, register for a coworking space, report damage, or hire one of the visitor rooms. Tom and Luzia gladly make use of visitor rooms when their grown-up daughter comes to visit with their one-year old grandchild. So, even though their own apartment is small, they still have plenty of space.

6. Evaluation criteria

6.1 Evaluation criteria

The following assessment criteria apply to the competition:

- Degree of innovation in the implementation of the task
- Flexibility and versatility
- High architectural qualities

The panel of judges reserves the right to amend the assessment criteria.