Federal Ministry
Innovation, Mobility
and Infrastructure
Republic of Austria

Federal Ministry
Economy, Energy
and Tourism
Republic of Austria

AUSTRIA GREEN PLANET BUILDING

Austrian Green Planet Building®

Awarded projects around the world 2024-2025

ADVANTAGE AUSTRIA WKO

klimaaktiv

Austrian Green Planet Building®

Awarded projects around the world
2024-2025

Vienna, 2025

Impressum

Media owner, publisher and editor:
AGPB office on behalf of the Federal Ministry for Innovation, Mobility and Infrastructure and the Federal Ministry for Economic Affairs, Energy and Tourism

c/o pulswerk GmbH
Seidengasse 13/3
1070 Vienna
agpb.at

Authors: Leander Brenneis, Carla Hopfner, Robert Lechner, Beate Lubitz-Prohaska,
Ulli Weber (pulswerk GmbH)
Layout: pulswerk GmbH
Vienna, 2025

Content

Austrian know-how for sustainable construction

Sustainable and convincing worldwide – with Austrian know-how and innovative technologies.

Architecturally impressive, technologically innovative: Austrian Green Planet Building® (AGPB) honours outstanding achievements by Austrian companies in the field of sustainable construction abroad.

Around the world

The projects presented in this brochure impressively demonstrate the diversity of possibilities and Austrian expertise in sustainable construction. Different types of use and construction methods require individual, creative solutions – from a museum in the Republic of Korea to office buildings in Romania and China, schools in Germany and residential and hotel complexes in France.

Sustainability, resource conservation and efficiency throughout the entire life cycle, multifunctional use, reuse as a central component of the circular economy, energy autonomy, high-quality indoor air quality, first-class materials and a high level of user comfort: this is what sustainable construction 'made in Austria' looks like.

AGPB Award ceremony 2022.
Photo: Eva Manhart for AGPB

The Award

Austrian Green Planet Building® is based on the fundamental idea that sustainable construction is not possible without the economical use of resources and energy. Therefore, the initiative clearly focuses on energy efficiency and renewable energies as an essential basis for effective climate protection.

Only Austrian companies and experts who have played a key role in the planning and realisation of already completed sustainable buildings abroad are eligible for the AGPB Award. AGPB successfully transfers the criteria of the national klima**aktiv** building certification for the construction and real estate industry to an international context. The underlying quality criteria are available at agpb.at.

Since 2020, the AGPB Technology Award has complemented the programme. It focuses on innovative technologies from Austrian companies that are used worldwide and significantly advance energy efficiency and climate protection in the building sector.

AGPB is an initiative of the Federal Ministry for Innovation, Mobility and Infrastructure, the Federal Ministry for Economic Affairs, Energy and Tourism, and ADVANTAGE AUSTRIA – the foreign trade organisation of the Austrian Federal Economic Chamber.

Photo: René & Dimitri Dürr

2226 JED

Schlieren, Switzerland. "Join, Explore, Dare" – the name says it all for this building complex, which was designed and constructed according to the 22-26 principle developed by Professor Dietmar Eberle. Built according to the principles of the circular economy, the office building contains a mix of office and laboratory space, services and catering facilities. Resource-saving architecture combined with low-tech building control ensures that the interior temperature always remains between 22 and 26 degrees.

Thanks to its construction and operating system, the largely energy-self-sufficient building requires almost no conventional heating or cooling systems, with the exception of the laboratory areas. The architectural design focuses on maximum deconstructability. It almost goes without saying that the recycled concrete used can also be reused. The absence of conventional building services minimises the effort involved in planning, procurement and maintenance, keeps operating costs low and saves on the space required for this.

Austrian companies involved: Baumschlager Eberle Architekten

The 2226 JED was awarded the **AGPB Award 2025**.
Information and key figures about the building can be found at:
agpb.at/en/2226jed.htm

Photo: Jan Bitter

Allee der Kosmonauten

Berlin, Germany. As part of Berlin's school construction initiative, an energy-efficient, state-of-the-art school campus was created, offering a perfect learning environment with spacious outdoor areas and extensive sports facilities.

In addition to district heating, the school building, designed by PPAG Architects and constructed by a team of mainly Austrian companies, also uses air-to-water heat pumps for heating. A central exhaust air system with decentralised supply air elements in the façade ensures high indoor air quality in the classrooms. Their waste heat is recovered by means of an exhaust air heat pump and used for central hot water production. External sun protection prevents overheating in summer. Quality assurance of the comprehensive sustainability criteria was carried out with the aid of calculations and simulations during construction. Comprehensive product and chemical management complements the future-proof design of the school campus.

Austrian companies involved: PPAG Architects, FCP Ingenieure, EGKK, RAUM PLUS, Kubik Project Ges.m.b.H., Bauklimatik GmbH

Allee der Kosmonauten was awarded the **AGPB Award 2025**.
Information and key figures about the building can be found at:
agpb.at/en/adk.htm

Photo: Stefan Schilling

Austrian Pavillon EXPO25

Osaka, Japan. The music ribbon exemplifies innovative Austrian timber construction expertise, demonstrates engineering at the highest level and, with wood as its raw material, stands for sustainability.

Woven from individual thin wooden slats, the spiral sculpture, designed by BWM Designers & Architects, was only dowelled after it had been bent into shape. It can withstand wind loads of up to 200 km/h. Thanks to the principle of 'screwing instead of gluing', the entire structure can be completely dismantled and reused.

The music ribbon is 91 metres long and 4.3 metres high. It consists of an upper and lower belt, which are interwoven by 265 diagonal rods. The double intertwined form is supported by five steel pylons and reaches a height of 16 metres.

Austrian companies involved: BWM Designers & Architects, Graf Holztechnik GmbH, werkraum ingenieure

The Austrian Pavilion EXPO25 was awarded the **AGPB Technology Award 2025**. Information and key figures about the building can be found at: agpb.at/en/expo25.htm

Photo: Georg W. Reinberg

Civiplex

Timisoara, Romania. The perfect combination of architecture and building services in this new office building, designed by architect Georg W. Reinberg and constructed around an existing property, enables high energy efficiency and a high level of comfort for employees.

Clever shading allows for a wide south-facing glass front for solar gains in winter without overheating in summer. The photovoltaic system produces more electricity than the building needs, and this surplus is used in electric charging stations for staff vehicles. The electricity stored in the car can be reused at home. The building envelope complies with the passive house standard. A heat pump with deep boreholes is used for heating and cooling. A smart monitoring system in the building services supports the building's extremely low energy requirements.

Austrian companies involved: Architekturbüro Reinberg ZT GmbH, IPJ Ingenieurbüro P. Jung GmbH

The Civiplex was awarded the **AGPB Award 2024**.
Information and key figures about the building can be found at:
agpb.at/en/civiplex.htm

Photo: Aldo Amoretti

Collège d'Orlinde

Bretenoux, France. The college is the new eye-catcher at the interface between two communities. Designed by Dietrich | Untertrifaller Architects, the single-storey wooden school building creates a warm and bright atmosphere through its choice of materials, while at the same time reminiscent of the medieval bastides in the surrounding area.

The timber-framed building is an energy-plus house, with a solar system generating electricity over an area of more than 1,200 square metres. Geothermal heat pumps provide heating, but can also be used for cooling in summer. The absence of pollutants, environmental impact and locality of the materials were important factors in their selection.

The interior, dominated by light wood, is flooded with daylight through courtyards and skylights. A wide screen made of burnt wood with a strong overhang regulates the incidence of light and protects against the weather. The partition walls made of clay bricks improve the acoustics and hygrothermal comfort.

Austrian companies involved: Dietrich | Untertrifaller Architekten

The Collège d'Orlinde was awarded the **AGPB Award 2024**.
Information and key figures about the building can be found at:
agpb.at/en/collegedorlinde.htm

Photo: Cyrille Weiner

Europa

Levallois-Peret, France. The renovation and refurbishment of this 1980s building has created a new landmark for Levallois-Perret. The combination of the old structure and the extension blends into the urban space and enhances it.

Baumschlager Eberle Architects brought the existing structure into the modern era and made the building climate-friendly, which now has district heating and cooling connections. Primary energy consumption is 40 per cent lower than before the renovation. Preserving as much of the building structure as possible limited the demolition work; the existing core was retained and existing materials such as floor slabs, raised floors and cable ducts were reused.

Neutral-use office spaces increase the longevity of the building and can be easily adapted. The expansion of open space with terraces and a restaurant on the roof also generates added value for employees.

Austrian companies involved: Baumschlager Eberle Architekten

The Europa was awarded the **AGPB Award 2024**.
Information and key figures about the building can be found at:
agpb.at/en/europa.htm

Photo: Piet Niemann

Kellogg's Bremen

Bremen, Germany. A landmark for the urban development project "Überseestadt" in Bremen has been created from an abandoned industrial ruin. Kellogg's 40-metre-high old silos are now a hotel: 14 floors for guests instead of storage for up to 5,000 tonnes of grain. Window openings have been milled into the 16 cm thick concrete rings. The funnel-shaped outlets of the silos are integrated into the hotel lobby.

The energy concept combines electricity and heat and is designed for the entire neighbourhood. River heat exchangers, heat pumps, the use of solar and wind energy – the full arsenal of sustainable energy supply is being drawn upon here. At the same time, the focus is also on minimising consumption.

Light-reducing lighting, unsealing and waste concepts are further important aspects of the sustainable design of the entire neighbourhood, which aims to promote openness, multifunctional use and networking between the different parts of the neighbourhood.

Austrian companies involved: Delugan Meissl Associated Architects

Kellogg's Bremen was awarded the **AGPB Award 2025**.
Information and key figures about the building can be found at:
agpb.at/en/kelloggs_bremen.htm

Photo: Yasutake Kojima

Seoul Photographic Art Museum

Seoul, Republic of Korea. The museum impresses not only with its striking architecture, an Austrian-Korean collaboration between JADRIC ARCHITEKTUR & 1990uao – Architekten Mladen Jadrić & Yoon GeunJu, but also with its focus on energy efficiency and sustainability, despite the need for highly precise climate zones.

Deep probes provide geothermal energy and heat or cool the building as needed. An inter-seasonal geothermal storage facility is used for temporary energy storage. The green roof is covered with PV modules, and batteries store the energy generated in this way. The façade consists of recycled lightweight concrete hollow elements. The thermal mass of the building acts as a buffer storage for slow temperature equalisation. The horizontal aluminium panels of the façade change their appearance depending on the incidence of light and the viewing angle, while also serving as a heat shield.

Austrian companies involved: JADRIC ARCHITEKTUR

The Seoul Photographic Art Museum was awarded the **AGPB Award 2025**. Information and key figures about the building can be found at: agpb.at/en/photo_sema.htm

Photo: Škoda Auto

Škoda Headquarter Laurin & Klement Kampus

Mladá Boleslav, Czech Republic. The new Škoda headquarter is energy-efficient and climate-friendly. Designed by ATP architekten ingenieure, the building complex impresses with its sophisticated technical building equipment (TBE) and efficient monitoring via a BUS system.

The focus is on minimising energy consumption in the areas of heating/cooling, ventilation, lighting and sun protection. The monitoring system ensures optimum comfort in the interior without compromising energy efficiency. The ventilation system operates with a heat recovery wheel of 80 per cent. Energy production, together with the PV system on the roof, ensures environmentally friendly and sustainable operation of the entire campus. Green roof gardens, interior design and community zones provide space for networking, exchange and relaxation.

Austrian companies involved: ATP architekten ingenieure, ATP sustain

The Škoda headquarters was awarded the **AGPB Award 2024**.
Information and key figures about the building can be found at:
agpb.at/en/skoda_headquarter.htm

Photo: Harel Gilboa

SZMC Helmsley Cancer Center

Jerusalem, Israel. The 16-metre-high wooden structure is designed to convey hope and optimism to the outside world and to give patients a feeling of stability, security and calm during their treatment. It is an example of how appealing the combination of health and architecture can be.

Designed by Canadian architect Tye Farrow, the extension to the Shaare Zedek Medical Centre is the first wooden building of its size in Jerusalem and stands out simply because of its chosen construction method. The SZMC Helmsley Cancer Centre is shaped like a butterfly. Its wings are formed by 350 m^3 of precision-manufactured laminated larch timber elements produced by WIEHAG. Wood, as a "warm" material, supports the concept of health-promoting architecture in this building and is therefore also used in the interior.

Austrian companies involved: WIEHAG GmbH

The SZMC Helmsley Centre was awarded the **AGPB Technology Award 2025**. Information and key figures about the building can be found at: agpb.at/en/szmchelmsley.htm

Photo: Steeltech Industries PTE Ltd.

Nanyang Technological University

Nanyang, Singapur. 13,000 m^3 of timber form the sustainable 'foundation' and roof for the university building in Singapore, which was designed by Japanese architect Toyo Ito as part of Singapore's "Green Building Master Plan".

WIEHAG processed a total of 6,000 m^3 of cross-laminated timber for 1,900 supports and 1,660 beams. 7,000 m^3 of CLT (cross-laminated timber) from Stora Enso was used for the ceiling structure.

The building has a photovoltaic system on the roof. It uses the windy conditions of the surrounding area to cool the common areas naturally. A PDV system (passive displacement ventilation system) was chosen to regulate the temperature in the classrooms and offices.

Austrian companies involved: WIEHAG GmbH, Stora Enso Sägewerk Ybbs

Nanyang Technological University was awarded the **AGPB Technology Award 2024**. Information and key figures about the building can be found at: agpb.at/en/nanyangtu.htm

Photo: NEUBAU best.energy

UDD NetZero Building Base #1

Taicang, China. China's first building to meet the Passive House Premium Standard impresses with its high energy efficiency thanks to tailor-made solutions for warm, humid climates. Passive summer heat protection and building airtightness were important parameters in minimising energy requirements.

A photovoltaic system guarantees sustainable energy. The building uses concrete ceilings for cooling. Due to the high humidity, a moisture management system was implemented that enables the separation of dehumidification and sensitive cooling. Tailor-made solutions such as a specially designed lighting concept with presence- and environment-dependent control, and a reservation and access system to minimise standby consumption are just a few of the energy-efficient pieces of the puzzle in the overall concept.

Austrian companies involved: NEUBAU best.energy

The UDD NetZero Building Base #1was awarded the **AGPB Award 2025**. Information and key figures about the building can be found at: agpb.at/en/uddbuilding.htm

Photo: Aldo Amoretti

Wood'Art

Toulouse, France. The hotel and residential complex forms the visual "heart of wood" of the Cartoucherie eco-district in Toulouse, France. Convincing and stylish design meets sustainable construction and space for biodiversity.

The architectural concept allows for the creation of a visual landmark while maintaining permeability and a social and functional mix of buildings. Users are offered a lively environment in a diversely designed public space. The gardens of the complex serve as meeting places for residents, form a reserve for biological diversity and counteract heat islands.

The building itself is made of 76 per cent wood: the entire superstructure above the ground floor is constructed from prefabricated wooden modules, with the exception of a concrete core for the traffic routes. This shortened the construction time while also reducing the amount of waste generated.

Austrian companies involved: Dietrich | Untertrifaller Architekten

Wood'Art was awarded the **AGPB Award 2024**.
Information and key figures about the building can be found at:
agpb.at/en/woodart.htm

Excellent!

Austrian Green Planet Building® proudly presents: 42 award-winning projects in 25 countries – built with Austrian expertise and Austrian technologies. From offices to museums, schools and residential buildings to hotels, coffee roasters and distilleries, anything is possible as long as the form and content are sustainably convincing.

Austrian know-how is recognised worldwide, and that is something to be proud of. Since 2018, Austrian Green Planet Building® has been providing a platform to showcase the innovative achievements of Austrian companies in the field of sustainable construction, both internationally and nationally. The awards for the buildings are presented in a festive setting: in the form of an event in Vienna for all projects and their companies and through the presentation of plaques with the help of the WKO's foreign trade centres for ADVANTAGE AUSTRIA at the respective building locations.

AGPB Award ceremony 2022.
Photo: Eva Manhart for AGPB

AGPB Technology Award for the musical note sculpture at the Austrian EXPO25 pavilion. Plaque presented by Federal Minister Peter Hanke in Osaka, Japan.
Photo: OJ Perry

AGPB Award for the Allee der Kosmonauten school campus. Presentation of the plaque by Federal Minister Wolfgang Hattmansdorfer in Berlin. Photo: HOWOGE

Award-winning projects from 2018 to 2025

Table: Alphabetical list of all award-winning buildings from 2018 to 2025, with country allocation and AGPB Awards

Building	Type of use	Location, country	Award
2226 JED	Office building	Schlieren, CHE	2025
Active Energy Building	Multi-family building	Vaduz, LIE	2022
Allee der Kosmonauten	Educational facility	Berlin, GER	2025
Apple Garden	Single-family building	Almaty, KAZ	2022
Austrian EXPO 2020 Pavilion	Event venue	Dubai, ARE	2022
Austrian Pavilion EXPO25	Event venue	Osaka, JPN	Technology 2025
Brock Commons Tallwood House	Residential hall	Vancouver, CAN	2022
Civiplex	Office building	Timisoara, ROU	2024
Collège d'Orlinde	Educational facility	Bretenoux, FRA	2024
DAN EXPO – high-efficiency housing in „Energy City“	Single-family building	Astana, KAZ	2019
Designer Outlet Croatia	Retail outlet	Zagreb, HRV	2022
Haus Leis	Single-family building	Polva, EST	2019
Erstes offiziell zertifiziertes Passivhaus in China	Office building	Zhouzhou, CHN	2018
Europa	Office building	Levallois-Peret, FRA	2024
Green Office® ENJOY	Office building	Paris, FRA	2019
Coffee roastery Joh. Johannson	Production hall	Vestby, NOR	Technology 2022
Kellogg's Bremen	Hotel and office building	Bremen, GER	2025
KIWI Lerberg	Retail outlet	Hokksund, NOR	Technology 2022
L1ve – Grande Armée	Office building	Paris, FRA	2023
Macallan Whisky Distillery	Production hall	Easter Elchies, Scottland, GBR	Technology 2023
Mactan Cebu International Airport	Airport	Mactan-Cebu, PHL	Technology 2022
markas Headquarter	Office building	Bolzano, ITA	2023
Montagne du Parc	Office building	Brussels, BEL	2022

Building	Type of use	Location, country	Award
Austrian Embassy Bangkok	Office building	Bangkok, THA	2018
Passive House Office	Office building	Jiaxing, CHN	2022
Passive House Technology and Experience Center	Office and residential building	Qingdao, CHN	2019
Roman Ortodox Church	Church	Maximovka, KAZ	2022
Royal Institute of Tourism and Hospitality	Hotel	Thimphu, Upper Mothithang, BTN	2019
Seoul Photographic Art Museum	Museum	Seoul, KOR	2025
Sheikh Zayed Desert Learning Center	Museum	Al Ain, UAE	2018
Skoda Headquarter Laurin & Klement Kampus	Office building	Mladá Boleslav, CZE	2024
Stadshus Växjö	Railway station	Växjö, SWE	Technology 2023
SZMC Helmsley Cancer Center	Hospital	Jerusalem, ISR	Technology 2025
Nanyang Technological University	Educational facility	Nanyang, SGP	Technology 2024
TechnoDom	Retail outlet	Karaganda, KAZ	2022
Museum of drinking water	Museum	Hangzhou, CHN	2022
TUM Campus	Educational facility	Munich, GER	2023
UDD NetZero Building Base #1	Office building	Taicang, CHN	2025
WOOD PASSIVE HOUSE China	Single-family building	Zhuozhou, CHN	2019
Wood'Art	Office and residential building	Toulouse, FRA	2024
Yryskeldi Qajy Ata Meshidi Mosque	Mosque	Astana, KAZ	2018
Zero Carbon Resorts	Hotel	Puerto Princesa, PHL	2022

Submit now – and gain global recognition!

Showcase what Austrian expertise in sustainable construction can achieve! Completed projects can be submitted for the AGPB Award or the AGPB Technology Award at any time. Take advantage of this opportunity to position your project internationally and raise its profile as part of the Austrian Green Planet Building® community.

Your award. Your advantage

With AGPB, you receive much more than a certificate – you benefit from a comprehensive communication package that highlights your achievement:

- Award plaque for the building
- Certificates for all participating companies
- Presentation of your project on agpb.at
- Project video (if sufficient image material is available)
- Bilingual fact sheet (GER/EN)
- Press release & press distribution
- Communication via social media

Become part of Austrian Green Planet Building® now!

The AGPB office will accompany you from the submission to the communication of the award. We check, advise, support – and ensure that your project gets the stage it deserves. Submit now and send a strong signal for sustainable construction – 'made in Austria':

AGPB office
c/o pulswerk GmbH
Seidengasse 13/3, 1070 Vienna
office@agpb.at
agpb.at