English

We live timber engineering.

Better with wood

RUBNER

We believe that it is part of our responsibility to contribute to a greener world and achieve a more sustainable future for the next generation by working with wood, a natural and renewable building material. The raw material origin is of particular importance to us. It is exclusively obtained from managed forests, and locally sourced by preference, characterised by short and environmentally compatible transport routes.

Wolfgang Walcher
CEO, Rubner
Ingenieurholzbau

Hand in hand with architects and design engineers, our more than 500 passionate employees undertake any effort to implement the individual visions of our clients. In our day-to-day work, we are continuously striving to overcome the limits of what is feasible and imaginable. Driven by joint efforts and our tireless dedication and commitment, we manage to create inspiring buildings, giving home to people and providing successful working environments to companies.

Our mission is to set worldwide benchmarks in the timber construction sector, to inspire people with our services and to arise interest and enthusiasm for wood buildings and structures. Our clients shall consider us a competent and reliable partner who professionally implements their creative projects and erects stable buildings and constructions for the future.

05

As timber engineering experts, we consider it our duty to significantly influence and push forward new solutions.

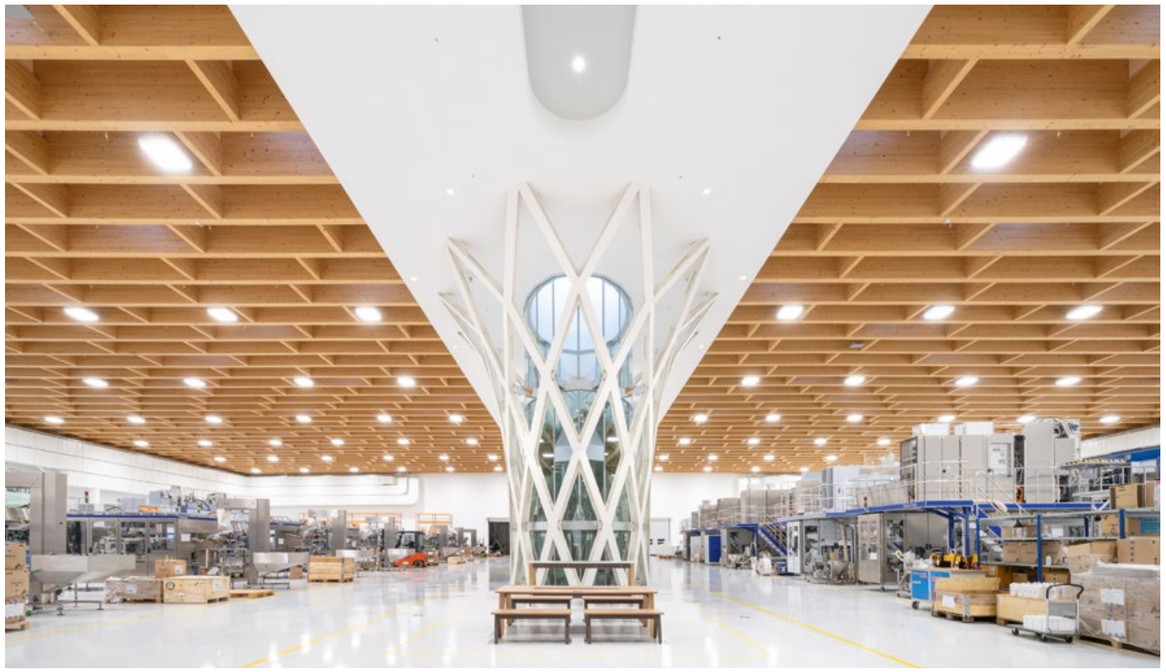
Wood. The moment has come to rely on this building material.

For more information, please refer to page 11
From PEFC certified logs to the finished product: Rubner is part of a unique supply chain.

For more information, please refer to page 10
A clearly defined set of values according to which we work every day.

08

Our vison is to lastingly motivate and inspire our clients and to contribute so that the number of timber buildings that are implemented in Europe doubles within the next decade. Our promise and our recommendation for the future can therefore be summarised in just a few words – you better build with wood.



For more information, please refer to page 32
Elegant design through the combination of wood and steel.

14

Intelligent architecture, outstanding heights, and impressive spans: there are almost no limits that can be set on timber engineering. Timber projects that are implemented by Rubner explore the manifold possibilities that are offered by this natural building material and convince all over the globe.

For more information, please refer to page 7
Strong services from the first idea to project implementation – and even beyond.

Your partner – right from the beginning.

58

All figures, data and facts concerning Rubner including our company sites, efficiency, services, and quality control in the timber engineering sector – all at a glance.

For more information, please refer to page 48/49
The TUM Campus in the Munich Olympia Park impresses for its roof construction.

For more information, please refer to page 17
With a total height of 73 metres, Roots is presently the highest timber building that has been completed in Germany.

Rubner. We live timber engineering.

A tree needs time to grow and to develop its performance and the same applies to our company Rubner. We, too, have been developing and growing over several decades to become your strong and reliable partner in the timber engineering sector.

We use the experience and strength that we have gained over many years to support our clients in sustainably shaping our living environment and our way of life. Being a specialised company in the field of engineered timber constructions, we believe that it is our major responsibility to decisively influence all developments that are being made in this sector. Our beliefs strongly impact our designs and implementation work, and therefore lead to projects, which positively change our life today and the life of future generations.

In our view, it is no longer the question of whether or not wood can be used in visionary construction projects. The question we are asking ourselves is rather how to best use this material. There is no doubt that wood is the building material of the future. We recognised this fact many years ago and have continuously advanced timber engineering development by further enhancing our specific know-how.

The passion and dedication we feel for the material, our vast know-how in the planning of individual solutions, and our large production capacities have contributed to become Europe's leading timber engineering company.

Our impressive, engineered timber constructions are inspiring. Our timber engineers share their experience and know-how and are pleased to accompany your project right from the preliminary project phase. We closely cooperate with our clients to create long-standing and fascinating individual solutions for your structure. The versatility and flexibility of wood as construction material and the high prefabrication rate that we can offer, allow us to implement projects of any size competently, precisely, and quickly – even if the project is executed in combination with other materials.

"We work for the benefit of people in the timber engineering sector."

Peter Rosatti
CEO, Brixen location

We work for the benefit of people. Our intention is to offer amazing services and to demonstrate that almost no creative design limits are set to this natural material. This is the starting point to commonly develop new ideas, to execute outstanding buildings and to create pioneering and ground-breaking solutions for the future.

Forward-looking, powerful, and focused.

We know how to correctly and reasonably process wood, this outstanding natural building material and this know-how opens-up completely new architectural possibilities. Our clients place their trust in us as dynamic project implementation partner and profit from our competence and strength in the execution of eye-catching and trend-setting projects.

Consulting services and support – from the very first minute
We perfectly understand the material and are highly familiar with the many properties of wood. By reasonably combining wood with other materials, we can develop the perfect solution for your requirements. We are pleased to share our expertise with you from the very beginning of the development, planning and implementation of your project.

Engineering and design – to achieve the best technical solution
Professional competence in terms of structural engineering and construction – this is the key for any successfully implemented project. Our in-house experts are familiar with the potential offered by wood, and they know how to take full advantage of this potential. Their expertise and the main objective to consequently advance the timber engineering sector are the main driving force behind any project.

Production and prefabrication – a plus in quality and safety
We attach major importance to high and constantly increasing prefabrication rates. Backed by advanced production plants and sophisticated manufacturing techniques, we fabricate our products by applying resource-friendly production processes. This increases the quality of all manufactured products and secures short, risk-minimised construction periods. With production sites located in several European countries, we offer production capacities second to none.

On-site execution – carefully studied and coordinated
We elaborate proactive assembly and logistics concepts to secure smooth on-site implementation of the project. Optimum coordination of interfaces with other subcontractors is of major importance. No matter how large or how complex a project may be, our project and construction site managers work hand in hand with on-site assembly teams and will always secure professional project execution.

Your partner – right from the beginning.

Planning

A well-coordinated execution planning is the basis for specific implementation. Our in-house fabrication and assembly planning is based on this and comprises all structural and constructional information that is required for a timber engineering project.

Assembly

Due to high prefabrication rates of the building components, assembly periods on site are reduced to a minimum. This saves time and money and at the same time reduces risks. Our experienced assembly teams and partner companies guarantee these advantages.

Guidance during preliminary project phase

The earlier we, as timber building company, are being involved in project development and planning activities, the better we will be able to provide our support to an optimised conceptual design for the benefit of all project stakeholders.

Production

By adhering to strict quality specifications, we produce complex prefabricated timber components in our factories. By thoroughly managing the production capacities of our factory sites, we avoid production bottlenecks and delays, thus securing in-time production and on-schedule delivery of all building components on the construction site.

Scope of services

Our scope of services comprises individual timber structures and multi-storey buildings in timber and timber-hybrid construction up to entire building envelopes. Turnkey building projects are implemented in cooperation with general contractors.

We build a greener world – by building with wood.

Our vision and our promise to you.

To inspire on a sustainable basis

Being a family-owned timber construction company, we believe that we are responsible for the preservation of an environment, which is worth living in. We offer the best conditions to transform this vision into reality since wood, which is the most important raw material we work with, directly originates from nature and is part of the focused solution to combat climate changes. The substitution of conventional building materials by wood or the reasonable combination of conventional building materials with wood allows to considerably reduce CO_2 emissions on the long run.

With our know-how and our work, we will strongly contribute to double the proportion of wood used in Europe's construction industry in the next ten years. This vision complies with the present social development, which pursues proactive environmental protection. Our decision to share ideas, know-how and experiences starts from the desire to sparkle people enthusiasm and passion for construction solutions that adopt the most ecological of raw materials, wood.

A promise for the future

For more than 95 years now, Rubner has been consistently promoting wooden buildings – with highly promising prospects for the future. If correctly used, even in combination with other building materials, timber can prove its advantages. This is demonstrated by the outstanding engineered timber structures, that have been executed by our clients all over the world.

You better build with wood.

Short assembly periods supported by high prefabrication rates, availability of additional usable area due to optimised wooden structures, and increased safety due to calculable fire performance. Our promise includes a recommendation for the future and for the living environment of future generations. You better build with wood!

Our values, your benefit.

Our constructions are based on a clear construction plan and the same applies to our entrepreneurial activity, which is based on clearly defined values. We stand for these values in our relations with our business partners and we ourselves feel committed to these values in our day-to-day activities.

Reliable
Strong partners are a must in timber construction. Rubner stands for reliability and handshake quality – just as all the rest of the companies of the Rubner Group. The relationship to our business partners and employees is ruled by honesty, precision, partnership-based cooperation and mutual respect and appreciation. Or to put it in other words: you can fully rely on us!

Lasting
Being a traditional, family-owned company that has existed for almost 100 years now, we think long-term and do not focus on short-dated trends. It is our motivation and our goal to develop sustainable solutions and durable products for our clients, which will last for many generations.

Confident
We know how to overcome challenges. This is confirmed by satisfied clients and outstanding projects, which we have implemented all over the world. Through hard work, dedication, and commitment, we have become Europe's leading timber engineering company. Despite our position, we treat each new project with the required due diligence since our self-confidence is rooted in a well-grounded down-to-earth attitude.

Constantly Evolving
You must always be forward thinking to be successful on the long-term. This attitude is backed by our tireless efforts in the fields of research, development, and innovation. Based on the claim that we are leaders in timber construction, we consistently invest in new technologies and in the specialisation of our employees to jointly render pioneering and ground-breaking services.

Inspired by wood.

To plan the future, we must learn from the past. Together with clay, wood is the world's most ancient building material. However, we do of course use the most up-to-date technologies when it comes to material production and processing.

The material that we process is obtained from PEFC-certified forestry operations, mainly from the Austrian "Wechselgebiet". From this point, we start – with our in-house sawmill – a unique value chain under the brand roof of the Rubner company.

Our logs are cut into sawn timber, technically dried under controlled conditions, graded according to defined quality classes with the most modern equipment. Then it is further processed into glulam and cross laminated timber. Even in the sawmill all by products, such as wood chips and sawdust are being introduced into sustainable material cycles, i.e. for pellet production or for its use in district heating plants.

Timber is a high-tech material and far more than a trendsetter. Timber is light but very resistant. Due to its thermal insulation properties and predictable behaviour in case of fire, wood meets all building regulations and requirements. Being a natural, renewable CO_2 storage, it is – moreover – an important part of the solution to climate change.

We work every day to explore the infinite possibilities of this fascinating material. Our main goal is to reach a fructiferous collaboration with our clients and partners to reasonably use wood – even in combination with other building materials – in ambitioned and inspiring buildings and structures.

This is how we work.

The Rubner Group – unique in Europe
It is usually a long way to go from the tree planted in a sustainably managed forest to the finished timber building – but not for Rubner, where we very consciously keep this process short. The starting point of our work is the in-house sawmill. The sawn timber obtained is the basic material for the fabrication of glued laminated timber, cross laminated timber, solid wood panels, and solid construction timber. The material is then supplied to different Rubner Group sites where it is manufactured into building components, such as structures, wall-, slab- and roof elements for single family houses and apartment buildings, multi-storey buildings, and industrial buildings as well as individual large-scale structures. The Rubner portfolio is complemented by wooden windows and doors. This is the reason why we are unique in Europe, and we therefore secure maximum supply reliability and transparency.

Powerful in timber construction
The Rubner Group consistently pursues its vision "From tree to large-scale project". You as a client will benefit from decisive advantages of timber construction. The Group's internal interface management to our in-house sawmill secures the provision of the necessary timber quantity in the required quality for each individual construction. Today, this is not something to be taken for granted. In addition, our in-house sawmill is specialised to meet all requirements: optimised cuts, quality, and availability – all these factors make the difference and make us to Europe's leading company in timber construction.

"We guarantee full transparency along the entire value chain."

Wolfgang Walcher
CEO, Rubner Ingenieurholzbau

Factory prefabricated timber building components.

Structures

Not everyone is able to provide glued laminated timber elements with span widths of up to 50 metres, either curved or straight, cross laminated timber as well as timber-concrete composite elements, machine cut (milled holes, drilled holes, boreholes, and cuts).

Exterior walls

We are specialised on individually designed, floor-to-ceiling or across floor elements in timber frame constructions or cross laminated timber as well as post and beam façades, including windows, sun protection devices, insulation, etc.

Interior walls

With load-bearing or non-load-bearing interior wall elements in timber frame construction or cross-laminated timber with integrated empty pipes and outlets, we create living spaces and offices.

Slabs

Our slab elements that are made of timber-concrete composite, cross laminated timber or as box-type elements with large span widths, comply with all our requirements.

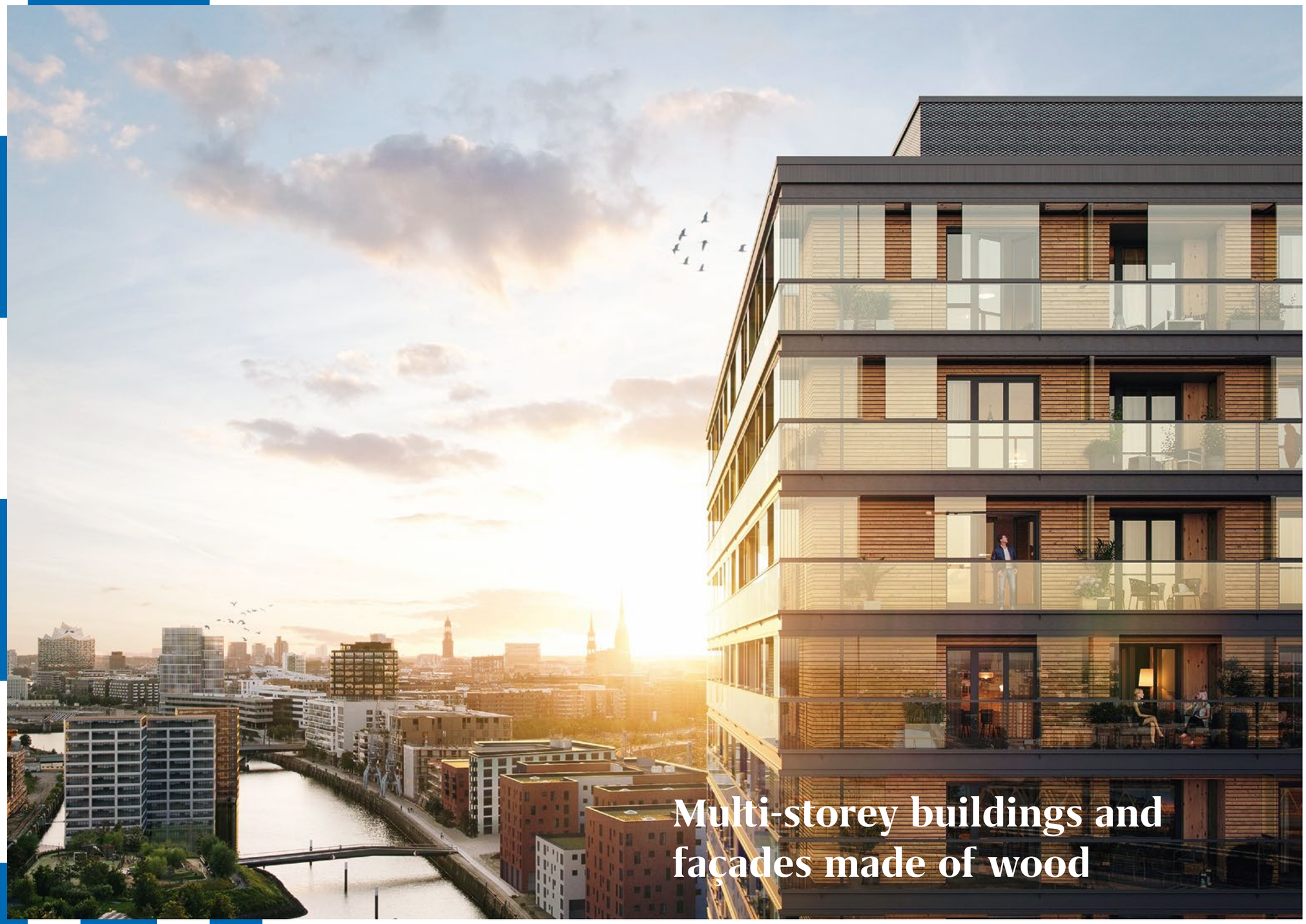
Roofs

We are experts in prefabricated roof elements and complete roof constructions with first-class properties in load-bearing behaviour, acoustics, and in case of fire.

Extras

We exactly plan and implement the integration of stairs, pergolas, and balconies or any other build-on elements.

01 | Roots Hamburg (DE), 2024



Multi-storey buildings and façades made of wood

The sector of multi-storey timber construction has been rapidly evolving in the last few years thus leading to outstanding buildings. It is due to this development and ground-breaking innovations that architects, clients, and investors are allowed to implement ever larger and higher timber buildings.

“New G is the result of professional and human competence working on behalf of an ambitious project and illustrates our know-how in the field of cross-divisional project management.”

Adrien Moine
Project Manager,
Rosny-sur-Seine location

02 | New G
In this “vertical village” it is all about living in community.

01

Hamburg (DE), 2024
Roots

Germany’s highest timber building has a total height of 73 metres and comprises 20 useable storeys with 181 residential units as well as office rooms and exhibition areas.

Facts and figures
5,500 m³ of softwood, of which 4,430 m³ cross laminated timber and 820 m³ special woods, height: 73 m, useable storeys: 20, of which 16 in timber construction, building ground surface: 21,300 m², gross floor area: 31,000 m², of which 15,000 m² for residential use, 26,000 tons of stored CO_2.

02

Paris (FR), 2022
New G

With a total of eleven storeys and a height of 38 metres, New G is the highest timber building in Paris. It houses 130 apartments, artist’s studios as well as community and commercial areas and considers itself to be a village within the metropolis.

Facts and figures
Glued laminated timber: 500 m³, wall elements: 6,000 m², timber-concrete composite slab: 7,500 m², timber cladding in larch: 2,000 m², timber doors: 500.

Residential complexes

01 | Johannisgärten Berlin (DE), 2021

The continuously increasing demand for new and affordable residential buildings will best be covered by using wood as natural material. This applies not only in terms of constructional and design requirements but also and above all in terms of ecological responsibility vis-à-vis our future generations. Wood is the perfect material not only for new constructions but also for complementary urban densification projects.

02 | Variowohnen
New construction of three buildings with prefabricated façades elements in timber frame construction.

01

Berlin (DE), 2021
Johannisgärten

20 independent buildings in urban environment. Timber is being used for the building envelope of more than one third of the buildings. The envelope is composed of highly insulated timber frame elements with rear-ventilated spruce façade.

Facts and figures
Façade elements in spruce: 6,650 m², windows and sun protection devices integrated in the façade elements.

02

Bochum (DE), 2019
Variowohnen

The residential complex for students is conceived as appropriate response to present questions concerning housing shortage and rapid housing construction. Since the buildings comply with passive house requirements, the project has been funded by the Federal Ministry of Construction in Bonn.

Facts and figures
Façade elements: 5,500 m², of which 1,680 m² in timber-façade cladding and 1,730 m² fibre concrete façade cladding, windows: 1,600 m² for 444 windows, metal sheets: 2,030 linear metres.

03 | Walden 48
The six-storey massiv wood residential building “Walden 48” in Berlin.

05 | ZAC Boissière
Façade elements in timber frame construction, pergolas and balconies made as timber-concrete construction.

“Close cooperation between planner and builders from the very beginning was the key to the successful implementation of an architectonically high-quality project with economically attractive results.”

Prok. DI Theresa Reiter
Head of Technical Department, Alpenland Gemeinnützige Bau-, Wohn- und Siedlungsgenossenschaft reg. Gen.m.b.H.

04 | Residential complex “Alpenland”
Supporting interior walls and slabs made of cross laminated timber panels.

03

Berlin (DE), 2020
Walden 48

This urban massive wood construction with six storeys and a length of more than 60 metres comprises loft-type apartments but also residential units with small-sized floor plans to suit any housing demands required.

Facts and figures
Glued laminated timber: 922 m³, cross laminated timber: 711 m³, façade elements: 2,700 m², interior wall elements made of cross laminated timber: 2,900 m², timber-concrete composite slab with glued laminated timber planks: 4,000 m², gross floor area: 7,000 m², storeys: 6, apartments: 43, 1,500 tons of stored CO_2.

04

Ober-Grafendorf (AT), 2023
Residential complex “Alpenland”

The project’s basic requirement was the teamwork between timber construction company and architect: four independent point block buildings with supporting apartment partition walls in timber frame construction. Outside walls provide for high prefabrication rates.

Facts and figures
Façade elements: 4,070 m², windows and sun protection devices integrated in the elements, glued laminated timber: 40 m³, cross laminated timber: 1,490 m³ in visible quality for floor slabs and supporting inside walls, 815 tons of stored CO_2.

05

Montreuil (FR), 2020
ZAC Boissière

70 apartments in several buildings (six and seven storeys), which communicate as urban “island” with the surrounding public environment via the natural and visibly processed construction material wood.

Facts and figures
Glued laminated timber: 140 m³, timber-aluminium façade: 50 m², Façade elements: 1,600 m², timber cladding: 3,410 m².

Work, research and develop within unique buildings. Wood provides for inviting working and living atmospheres, enhancing creativity and well-being, and contributing to a pleasant atmosphere in summer and winter – clearly a future-oriented concept.

02 | ZELUBA®
Single-storey test facility hall, three-storey laboratory building and a connecting foyer.

01

Jonage (FR), 2021
RTE Campus

The connecting paths between existing and new buildings are roofed by a structure that is supported by pillars, which have been arranged in a comb-like structure.

Facts and figures
Glued laminated timber: 1,400 m³, wood-concrete-composite panels: 11,000 m², wood types: spruce and Douglas fir.

02

Braunschweig (DE), 2021
ZELUBA®

The "Centre for lightweight and environmentally compatible buildings ZELUBA®" of the Fraunhofer WKI institute is composed of three buildings made of up-to-date construction materials depending on their structural strengths and properties.

Facts and figures
Glued laminated timber: 310 m³, wall elements: 868 m², wood-concrete-composite slabs: 840 m², laminated veneer lumber: 130 m³, cladding elements: 1,850 m², 587 tons of stored CO_2.

03 | EKOS office building
A carbonised outside façade – refined by using old Japanese wood preservation techniques – pops-up through the green façade.

“Thanks to the chosen timber construction, we were able to build in a sustainable and economically compatible way and to secure the well-being of employees by ergonomically and flexibly using the inner spaces.”

Dott. Andreas Kostner MSc BSc
CEO Kostner Srl

03

Varna (IT), 2022
EKOS office building

The new wooden building of the Kostner Srl headquarters was very consciously implemented in sustainable massive wood construction with green façade. With its five storeys, the building is the highest multi-storey office timber building in Southern Tyrol.

Facts and figures
Glued laminated timber: 50 m³, cross laminated timber elements: 500 m³ of which 90 % in visible quality for the inside area, steel elements: 16.5 tons, useable building space: 1,250 m², gross floor area: 250 m², 361 tons of stored CO_2.

04

Biot (FR), 2021
Sky Sophia

The two office buildings underline their high ecological standard by using the natural construction material wood for supporting structure, floors, and façades. Both buildings have been certified for their reduced CO_2 emissions and were awarded the BBCA-Label.

Facts and figures
Glued laminated timber: 950 m³, cross laminated timber: 10,000 m², façade elements: 4,500 m².

04 | Sky Sophia
Work areas designed in motivating, warm, and friendly atmosphere.

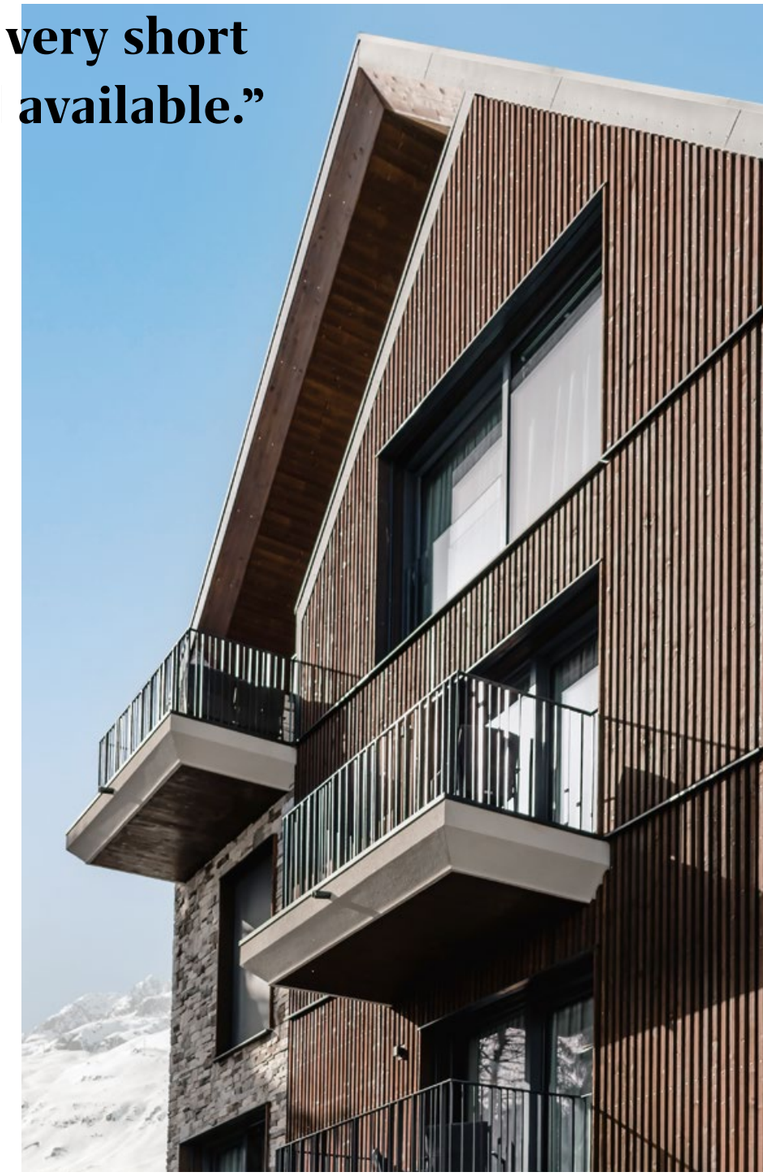
01 | Aja Resort Garmisch-Partenkirchen (DE), 2021

The hotel and tourism branch has been relying on wood as natural material for very good reasons. High prefabrication rates of building elements allow rapid implementation and extension of large structures. In addition, staying in a hotel that has been built as timber construction provides for particularly pleasant, comfortable holiday experiences in a near-nature environment.

02 | The Seepark Wörthersee Resort
Rapid, lightweight, and visually appealing extension of existing structures.

“High prefabrication rates in timber construction allow to reduce construction times to a minimum. In Andermatt this proved to be a particular advantage due to the very short summer period available.”

Günther Baumgartner
Special sales consultant
Bressanone location



03 | Aparthotel The Base
Timber construction meets trendy tourism on 1,450 metres above sea level.

01

Garmisch-Partenkirchen (DE), 2021
Aja Resort

The new four-storey hotel building was implemented by using prefabricated façade elements with coated, three-dimensional timber cladding.

Facts and figures
Façade elements made of spruce: 2,800 m² with maximum element dimensions of 12.80 x 2.95 m.

02

Klagenfurt (AT), 2021
The Seepark Wörthersee Resort

With the extension of the wellness area as timber construction, the Resort offers to all amateur and professional sportspeople completely new activity options in a near-nature environment. Within very short construction periods, additional storeys were added to the existing building by using timber structures. Works were executed during ongoing operation of the Seepark.

Facts and figures
Glued laminated timber: 65 m³, cross laminated timber: 150 m³, façade elements: 465 m².

03

Andermatt (CH), 2021
Aparthotel The Base

To keep the weight of the building above the basement as low as possible, this new hotel building has been executed as timber construction with high prefabrication rates – including staircase and lift shaft.

Facts and figures
Façade elements: 750 m² with partly front-mounted battens, roof elements: 300 m² with factory pre-installed roof windows, glued laminated timber: 15 m³, cross laminated timber: 200 m³, steel elements and girders: 10 tons, 295.5 tons of stored CO_2.

01 | Logistics centre of Austrian Postal Service Agency Kalsdorf bei Graz (AT), 2020

Industrial and commercial buildings

Rapid implementation of large dimensions and impressive roof areas, large spans for storage halls without disturbing columns as well as special resistance even under the hardest conditions. Timber structures, moreover, score with high economic efficiency and maximum scalability.

01

Kalsdorf bei Graz (AT), 2020

Logistics centre of Austrian Postal Service Agency

The largest and most modern logistics centre of the Austrian Postal Service Agency has a gross floor area of 27,170 m² with a construction volume of 300,000 m³. Around 280 Post employees sort up to 13,500 parcels per hour here.

Facts and figures
Glued laminated timber: 3,000 m³ in spruce, roof elements: 22,300 m², cross laminated timber: 75 m³, 3,800 tons of stored CO_2.

02

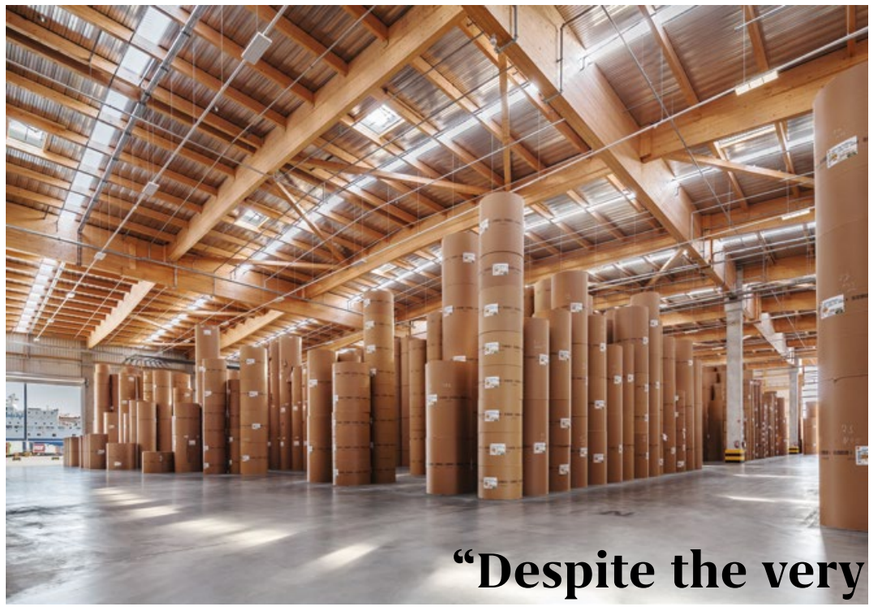
Modena (IT), 2021

Tetra Pak

The roof construction of a newly building is consciously realised in timber construction due to the required large spans and the requirements for the fire resistance of the material. This guarantees maximum usable space without interrupting supporting columns.

Facts and figures
Glued laminated timber: 1,577 m³, roof construction: 4,400 m², 1,007 tons of stored CO_2.

02 | Tetra Pak
Elegant design by perfect combination of timber and steel.



03 | Skandinavienkai, forestry products' terminal logistic hall 2
6 weeks overall assembly, perfectly on schedule

“Despite the very tight schedule, structural engineering, execution and work planning were professionally carried out by Rubner. The client was delighted with our optimised assembly schedule and perfect implementation quality.”

Dipl.-Ing. (FH) Michael Schwieghusen
Project Manager,
AUG. PRIEN Bauunternehmung
(GmbH & Co. KG)

03

Lübeck (DE), 2021
Skandinavienkai, forestry products' terminal logistic hall 2

The roof construction of the new hall built at the Lübeck port and implemented by Rubner carries 12,221 m² of roof surface. The supporting timber beams with lengths of up to 43.5 metres were transported from Krems to Lübeck by cargo ship.

Facts and figures
Glued laminated timber: 1,425 m³, 1,425 tons of stored CO_2.

04

Altenmarkt (AT), 2020
Atomic

The glued laminated timber beams for the structure are implemented with a length of up to 30.5 metres. This span makes it possible to use the hall area with maximum flexibility without interruptions from columns.

Facts and figures
Glued laminated timber: 262 m³, roof area: 7,000 m².

04 | Atomic
33 glued laminated timber beams with a weight of up to 10 tons each.

Impressive spans, large floor spaces and visually appealing wood look, these are only some of the advantages of consumer markets that are built as timber structures. Prefabricated timber elements provide for short construction periods and for pleasant and warm indoor climate during shopping times.

“By precise prefabrication of curved roof and wall elements, even complex forms can be implemented and installed on site within very short assembly periods.”

Stefan Kutschera
Project manager
Ober-Grafendorf location

02 | Penny Market
Curved shapes characterise the façade concept.

03 | Coop Como
Façade with 1,000 m² of vertically planted lichens, grass, and moss.

01

Venice (IT), 2019
San Michele Market

The construction, which consists of rhomboidal roof elements in tetrahedral form – prefabricated macro elements from the factory – only requires 26 steel columns thus providing enough space for the below 26 stationary market shops. The macro elements were delivered by Rubner ready for assembly.

Facts and figures
Glued laminated timber: 480 m³, cross laminated timber: 130 m², roof area: 2,000 m², 462 tons of stored CO_2.

02

Gaweinstal (AT), 2021
Penny Market

A curved shape, both for the canopy roof and for the design of wall elements is the main characteristic façade feature, which has been specifically designed by the Architect for the company Penny GmbH.

Facts and figures
Wall elements: 205 m², roof elements: 395 m².

03

Como (IT), 2020
Coop Como

The entrance gallery of the newly built supermarket is entirely made of timber, the roof structure and the greened wall elements have been implemented by using universal elements. The photovoltaic system on the shed roof structure produces 220,000 kWh of electricity per year.

Facts and figures
Glued laminated timber: 200 m³ of spruce in visual quality, 200 m³ of larch, wall and façade elements: 1,500 m², roof elements: 1,300 m², 254.5 tons of stored CO_2.

01 | Mactan Cebu International Airport Philippines (PH), 2018

Special Projects

Some projects simply do not fit into specific categories. Specially for that kind of projects, timber is first-choice material. Wood fulfils all requirements in terms of architecture and design and, in addition, sends a visible and emotional message.

02 | Clark International Airport
Three shipments via the Rhine-Main-Danube Channel and then by deep-sea vessel.

03 | Maintenance and train storage facilities SMR
Sustainability made visible by well-structured timber façade.

“After the successful realisation of the Mactan Cebu International Airport, we were commissioned by the client with a follow-up project, the roof structure for Clark International Airport. Proof that in large-scale projects, reliable partners are an important part of success.”

Anton Wanas
International Sales Department,
Ober-Grafendorf location

01

Philippines (PH), 2018
Mactan Cebu International Airport

The airport terminal is characterised by an architectonically outstanding barrel-shaped roof supporting structure with a height of 15 metres and span of 30 metres. The project has been executed by adhering to European Standards.

Facts and figures
Glued laminated timber: 4,500 m³ in spruce, main beams: 800/1.270 mm, arch height: 15 m above finished floor, spans: 30 m, 4,500 tons of stored CO_2.

02

Philippines (PH), 2019
Clark International Airport

The architectonically outstanding roof construction with changing roof inclinations and roof heights of 12, 16, and 20 metres reflects the form language of the volcanic landscape. The entire logistics were carried out by water via ship transport.

Facts and figures
Glued laminated timber: 6,500 m³, floor space of the terminal: 47,000 m².

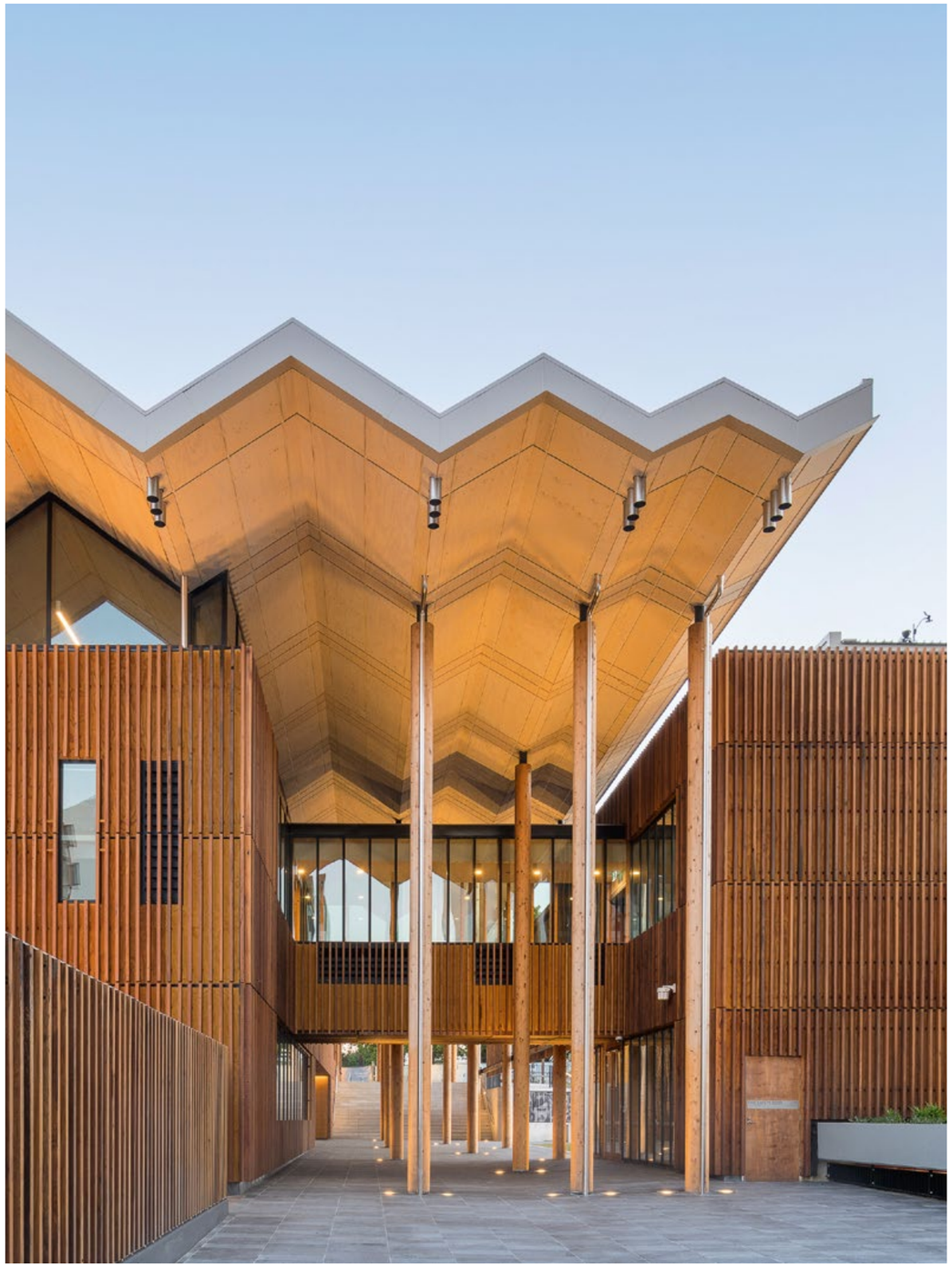
03

Versailles (FR), 2021
Maintenance and train storage facilities SMR

This industrial site of the SNCF is used for maintenance and storage of up to 11 trams. The vicinity to the Versailles Castle was the most important factor when it came to decide on the materials and, particularly, on the timber used for the façades. The building itself melts with the nearby environment. The building is classified as a “low-energy house” thanks to the wood.

Facts and figures
Façade elements: 2,240 m²,
wooden cladding: 5,345 m².

01 | Marrickville Library Marrickville (AU), 2019



21st century educational institutions are conceived as places of new learning culture. The entire surrounding environment is focused to positively support and assist not only the development of young students but also of the teaching staff.

02 | Jean-Louis Etienne School
A mixture of traditional building materials stone and wood.

01

Marrickville (AU), 2019
Marrickville Library

Modern timber construction attached to a listed, ancient hospital building. 54 round columns with lengths reaching up to 9.3 metres support the oversized canopy roof. The façade is composed of glued laminated timber posts.

Facts and figures
Glued laminated timber: 33 m³ for columns, 36 m³ for posts, steel: 6.4 tons, 37 tons of stored CO_2.

02

Coupvray (FR), 2021
Jean-Louis Etienne School

The snail-shaped building complex with stone façades convinces in its core with inviting timber constructions. Roof truss, timber frame walls and cladding elements are realised in prefabricated components.

Facts and figures
Glued laminated timber: 220 m², timber frame walls: 1,635 m², timber cladding: 1,170 m², sun protection devices: 347 m².

03 | Free University of Berlin
Different wall thicknesses respond individually to structural and fire protection requirements.

“A large construction project with demanding details. The basis for a perfect work was close coordination with the architect and a highly sophisticated network with our approximately 30 subcontractors.”

Andreas Fischer
CEO, Augsburg location

03

Berlin (DE), 2015
Free University of Berlin

The building of the newly built two to four storey reinforced concrete structure on the Dahlem Campus of the Free University of Berlin has been provided with an Alaska Yellow Cedar and timber-glass façades composed of a white coated post and beam structure made of glued laminated timber.

Facts and figures
Timber-glass-façade: 5,000 m façade element: 6,000 m² made of Alaska Yellow Cedar, glazed, outside wall elements implemented as timber frame construction: 4,000 m², wall panels: 2,000 m².

04

Rotholz (AT), 2020
HBLFA Tyrol

The school and boarding school buildings have been built with visible timber structures. As far as fabrication, transport and future forest renaturation are concerned, particular attention was paid to the ecological footprint of the project and to lowest possible CO_2 emission values.

Facts and figures
Timber-glass façade: 400 m², façade elements: 2,500 m², roof- and slab elements: 4,300 m², board stacked ceiling: 2,200 m² in visible quality, cross laminated timber wall: 2,500 m² in visible quality, glued laminated timber: 1,400 m³.

04 | HBLFA Tyrol
Two of the nine campus buildings have been certified to comply with “climate active gold standards”.

In terms of sports venues, the Olympic motto “citius, altius, fortius – faster, higher, stronger” can be directly transferred to the innovation force of engineered timber constructions. They are places where body and mind perform at their best. Strength and proximity to nature are enhanced by these timber constructions.

02 | Climbing hall Villach

Rooms up to 16 metres hight, strict fire-safety requirements, and tight budget.

01

Cumberland,
Sydney (AU), 2021
Eric Tweedale Stadium

The first project in Australia, where glued laminated timber is being used for the construction of a sports stadium instead of steel and concrete.

Facts and figures
Glued laminated timber: 185 m³,
109 tons of stored CO_2.

02

Villach (AT), 2019
Climbing hall Villach

With a total climbing-, sports-, and recreational area of 2,000 m², the climbing hall in Villach is one of the largest in the Alpe-Adria-region. The construction took place on the stock of a former supermarket within a period of only one month.

Facts and figures
Glued laminated timber: 310 m³.

“Due to the high degree of pre-fabrication, one of the largest wooden buildings in Europe could be constructed with the highest precision in a short construction time and sets new ecological standards.”

Much Untertrifaller
Managing Partner,
Dietrich | Untertrifaller
Architekten ZT, Bregenz

03 | TUM Campus in the Olympiapark
The complex wooden roof structure cantilevers more than eighteen metres.

03

Munich (DE), 2022
TUM Campus in the Olympiapark

Europe’s most modern and largest sports campus: A significant feature is the 18.3 metre cantilevered canopy, which covers the 100-metre running track below with 40 box girder elements over a length of 150 metres.

Facts and figures
Roof and slab elements: 11,690 m², wall elements: 7,430 m², timber-concrete composite slabs: 610 m², glued laminated timber: 1,000 m³, cross laminated timber: 330 m³.

04

Berlin (DE), 2021
Type sports halls Berlin

A basic concept for no less than nine different school locations in Berlin quickly and suitably adapted. The halls in standardised type construction score with cost efficiency during construction, long-term quality of use as well as minimised maintenance effort.

Facts and figures
Technical data for all halls: glued laminated timber structure: 1,060 m³, wall elements: 8,500 m², roof elements: 11,400 m², timber-glass façade: 5,500 m².

04 | Type sports halls Berlin
Highly efficient: nine sports halls in standardised type construction

Forward-looking designs, extraordinary forms, challenging architecture. Timber as construction material – often used in combination with other building materials – is perfectly suited for constructions that attract attention for a long time and that score with utmost functionality. Perfect for inspiring and thrilling constructions.

02 | Sydney Fish Market
65,000 m² overall area for one of the world's most important fish markets.

01

Melbourne (AU), 2019
Chadstone Link

Only 20 weeks were needed to implement the 110 metres long pedestrian walkway to Australia's largest Shopping-Centre. The diagrid structure is covered by a semi-trans-lucent PTFE-baldachin. This project has been awarded the Australian Timber Design Award.

Facts and figures
Glued laminated timber: 160 m³ of Italian larch, 85.5 tons of stored CO_2.

02

Sydney (AU), 2024
Sydney Fish Market

The roof elements made of glued laminated timber and steel join into a wave-type movement. The more than 30 metres long elements are shipped to Sydney by means of a special, dedicated vessel.

Facts and figures
Glued laminated timber: 1,600 m³ in spruce, steel: 150 tons, 855 tons of stored CO_2.

03 | ANOHA Berlin
House in house concept. Circular and CO_2-neutral.

03

Berlin (DE), 2020
ANOHA Berlin

A seven-metre-high construction made of spruce timber with a diameter of 28 metres that looks like a spaceship. This modern interpretation of Noah's Ark – abbreviated to Anoha – is the core element of the Children's World within the Jewish Museum in Berlin.

Facts and figures
Glued laminated timber: 77 m³, cladding and panels: 1,040 m², roof elements: flat roof 1,015 m², radial roof 600 m², transition area from flat roof to radial roof 115 m².

04

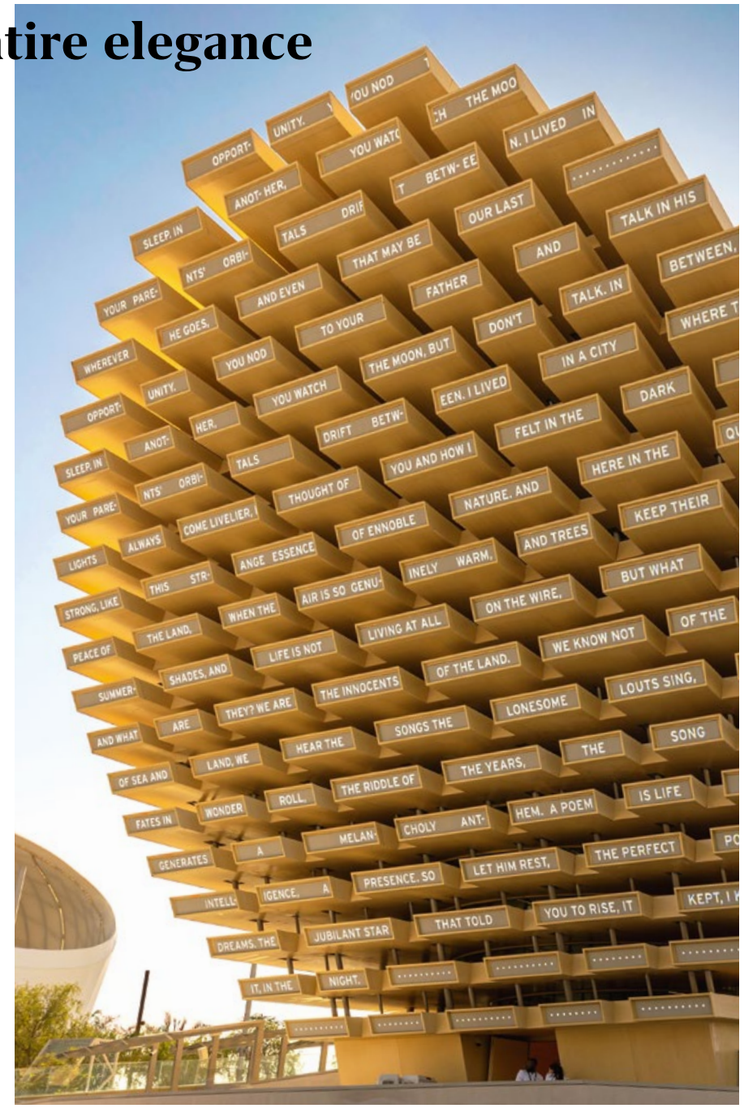
Dubai (AE), 2021
EXPO 2020 Dubai UK Pavilion

The British Pavilion is inspired on a project executed by the scientist Stephen Hawking and is considered the most impressive and the most important pavilion of the Dubai EXPO.

Facts and figures
Glued laminated timber, cross laminated timber and solid wood panels: 1,000 m³, 612.3 tons of stored CO_2.

“The outstanding form requires perfect harmony between glued laminated timber, cross laminated timber, and steel. This was the only way of implementing the architectonic concept in its entire elegance and clarity.”

Dott. Ing. – Ph.D Simone Rossi
Head of the Technical Office,
Bressanone location



04 | EXPO 2020 Dubai UK Pavilion
The huge, conical shape of the pavilion was the most challenging feature of this construction.

01 | Riding hall and stable Bernhardsthal (AT), 2020

Agricultural constructions

In the agricultural sector, engineered timber construction plays to its strengths. In ecological construction, with large spans and, as far as possible, self-supporting structures, halls are created for a wide variety of usage concepts and requirements – from storage, machine and parking halls to riding halls and animal stables and buildings for drying hay.

02 | Machine storage hall
All building components and works – starting with structure up to sheet-metal works are executed as one-stop services.

“The specific requirements and wishes for the new machine hall were realised to the customer’s complete satisfaction.”

Andreas Pruckner
Project Manager,
Ober-Grafendorf location

03 | Hay storage hall
Precise prefabrication and short assembly periods are the main characteristic of this agricultural hall.

01

Bernhardsthal (AT), 2020
Riding hall and stable

The existing building, which dates to the Kaiser era was very consciously restored and enlarged by using sustainable and modern timber construction methods. The hall is used as private riding hall and horse stables.

Facts and figures
Glued laminated timber: 120 m³, trapezoidal sheet coverage: 2,350 m², spruce formwork: 3,500 m², 120 tons of stored CO_2.

02

Sipbachzell (AT), 2020
Machine storage hall

The new storage hall serves to extend the presently available storage capacities. Timber construction was selected for visual and economic reasons. A specific feature of this hall is the integration of a workshop and a storage room for wood chips.

Facts and figures
Glued laminated timber: 141 m³, roof panels: 1,900 m², larch cladding: 750 m², 141 tons of stored CO_2.

03

Langenbrettach (DE), 2020
Hay storage hall

The hay storage hall serves to dry freshly cut grass and to store high-quality hay that is used as fodder for milk cows. Rubner was charged with all timber engineering works, extension and installation of light dome lights, doors, and gates.

Facts and figures
Glued laminated timber: 250 m³, larch cladding: 1,150 m², roof surface: 1,700 m².

Rubner at a glance.

Certifications and quality
We ensure the special quality of our timber structures through the uncompromising practice of the European building regulations and through a consistently established monitoring system. In addition to controls in internal laboratories, we rely in particular on strong independent external partners. PEFC-certified raw material, project handling according to ISO 9001, manufacturing and element construction according to RAL and Euronorm EN, round off our quality awareness. For projects that are particularly challenging in terms of statics, construction and architecture, we offer our clients additional certainty with further controls that go beyond the standardised quality assurance. State-of-the-art equipment and the many years of know-how of our timber construction specialists guarantee the highest quality of execution as well as adherence to costs and deadlines.

Sustainable products with assured quality

6 sites
in 4 countries

550
times of experience and passion

We find individually solutions to any project

85,000 m³
of glued laminated timber a year

≈100,000
tons of reduced CO_2 output a year

250,000 m²
of roof and wall elements a year

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