

WOOD

WHERE
IDEAS
CAN
GROW.

Natural, renewable
and in good hands.





Wood is naturally CO₂-neutral and energy-efficient in all respects. As a building material, its positive properties help protecting against heat in summer and cold in winter. Its CO₂-saving capacity significantly contributes to protecting our environment. If you use timber for building work you make a valuable contribution to the protection of the climate and the environment. For us at Mayr-Melnhof Holz, the sustainable management of our own woods is a top priority, because sustainable forestry guarantees healthy forests in the long run. It helps us to benefit from our own forests and positions our company as sustainability pioneer, as we use 100% of our raw materials. In Austria, one cubic metre of new wood grows each second. One cubic metre of wood keeps one ton of atmospheric CO₂ and thus helps to reduce the burden on our environment. If we would use 10% more timber in construction, we would easily meet the Kyoto targets. Our PEFC and FSC-certified company mainly processes spruce, but also fir and larch. The wood mainly originates from the surrounding areas of the individual locations.



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A full-page photograph of a forest floor. In the lower right, a person's hands, wearing a red glove and a watch, are planting a small evergreen sapling into the soil. An axe lies on the ground nearby. The background is filled with tall grasses and forest vegetation. A dark red rectangular box with a wood-grain texture is positioned on the left side, containing white text.

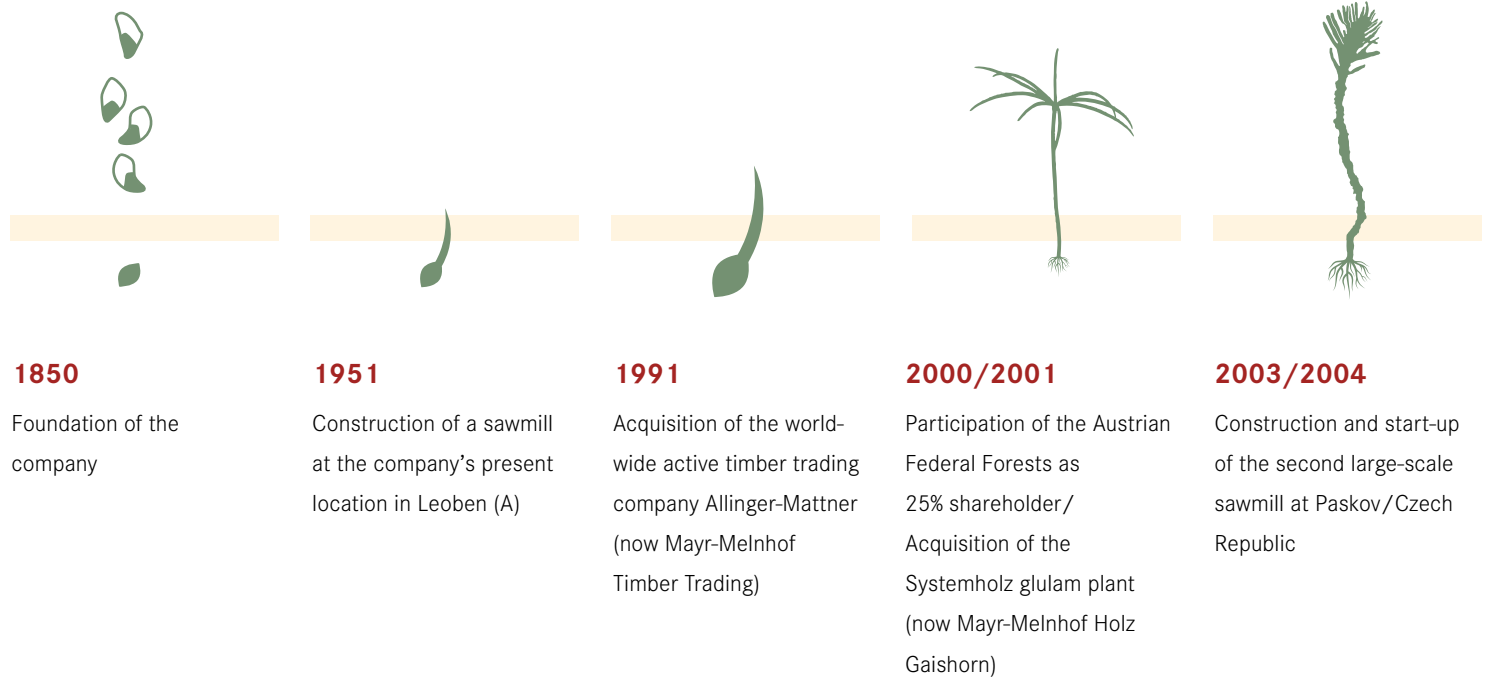
„WHERE IDEAS CAN GROW.“

**Kurt Klumaier, Forest Warden at
Mayr-Melnhof since 1992**

“This is a phrase that I can really identify with. What I particularly like about this job at Mayr-Melnhof is that I can live my love of nature even while I am at work. Every day I can contribute to cultivating forests. I observe how trees grow and how new ideas are born in our company out of the same context.”



Only those who have strong roots can outgrow themselves.



The roots of our brand go way back to the 1850s and form the solid basis for our entrepreneurial approaches that are manifest in such values as quality, modernity, sustainability and tradition. Since the 1850s, the brand "MM HOLZ" has been a synonym for quality and first-class know-how. Our company is committed to the sustainable use of our resources. It currently employs about 1,700 members of staff.



2006/2007

Construction of the third sawmill at Efimovskij/ Russia (start-up 2009)/ start-up of the pellet production plant at Paskov/CZ

2008

Start of the cross-laminated timber production at Gaishorn (A)
Acquisition of the Stallinger/Kaufmann Group

2009

Acquisition of the pellets plant at Leoben (now Mayr-Melnhof Holz Leoben)

2012

Acquisition of the combined heat and power station at Leoben

2014

Reacquisition of the shares previously held by the Austrian Federal Forests by the F. Mayr-Melnhof-Saurau Industrie Holding GmbH, thus regaining a 100% ownership.





Global position – regional roots.



The Mayr-Melnhof Holz Group with its headquarters in Leoben was founded in 1850, with the F. Mayr-Melnhof Industrie Holding GmbH as its majority owner. The Company is structured into sawn timber and the processing divisions. The four sawmill plants are located in Leoben (Austria), Frankenmarkt (Austria), Paskov (Czech Republic) and Efimovski (Russia). Timber processing is carried out at four different locations: in Gaishorn (Austria), Kalwang (Austria), Reuthe (Austria) and Richen (Germany). The Mayr-Melnhof Holz timber construction production programme includes glued-laminated timber and special components, duo-/trio beams, laminated ceiling elements, floor and wall beams, cross-laminated timber, 3-ply structural panels and concrete formwork technology. In addition, the product portfolio features briquettes and pellets produced at different locations.



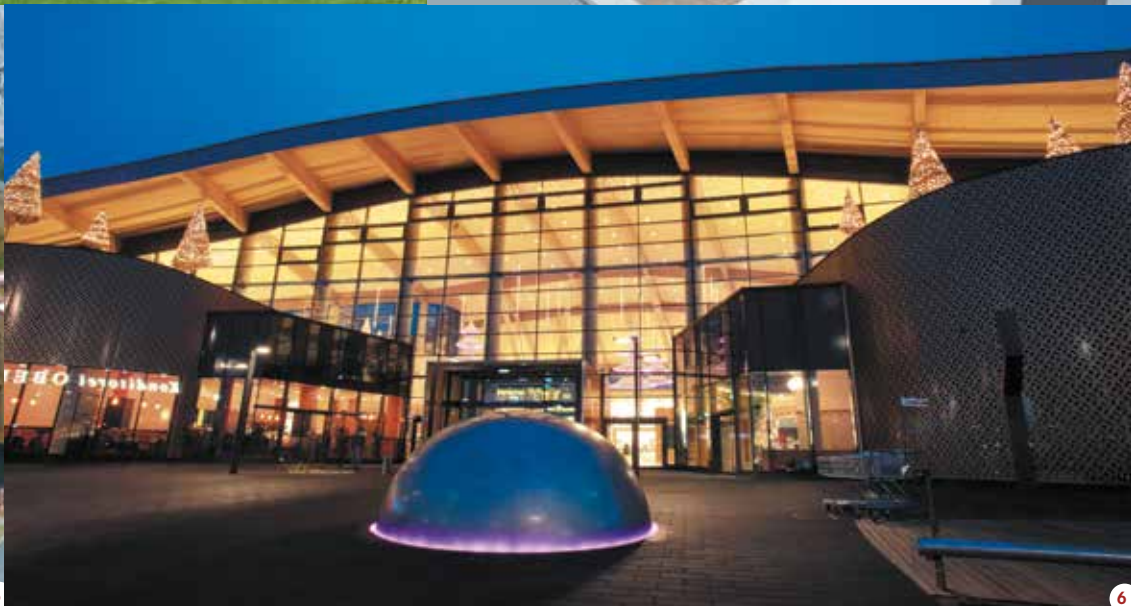


“IT FEELS
GREAT TO
DO VALUABLE
WORK.”

**Franz Horvath, forestry worker at
Mayr-Melnhof since 1995**

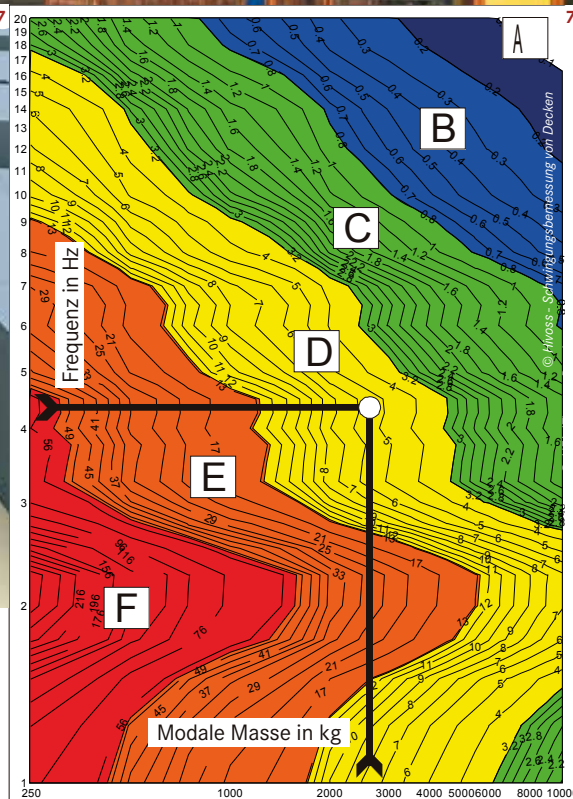
“Our sustainable forestry management guarantees healthy forests. I work in our forests day by day, and I am proud that I can do my share. I do not mind that the work is often hard and that we are out working in almost any kind of weather. I am absolutely convinced about what I do and about the products that are made out of the trees.”

Innovative demands require
challenging systematic solutions.





The Mayr-Melnhof Holz Holding AG is one of the market leaders in the glued-laminated timber segment. It is also the driving force behind the increasingly popular cross-laminated timber trend and is a key player in the successful development of the entire timber processing industry. In order to consolidate its leading position in the product portfolio, the company is dedicating significantly more resources to research and innovation and plans further major investment for the future. The fringe areas of the value-added chain are the precise point where new product and process developments are both possible and necessary. It is not only the customers who benefit from such improvements. The entire industry stands to gain.



1 Hof Malensky

Principal: DI Robert and Karin Malensky; architect/planner: DI Robert and Karin Malensky; executing firm: Luftensteiner Holzbau

2 Urban construction

Attic development in Italy

3 Hotel in Stegersbach

Principal: Golf- und Thermenresort Stegersbach GmbH; architect/planner: Architect DI Anton Hermann Handler; executing firm: Holzbau Oswald

4 Skadbergbakken, Norway

Principal: Real Estate Ottessen & Dreyer; architecture: Helen & Hard, ppag architects; wood construction type: massive wood construction

5 Technical College for Agriculture and Food Industry, Gröbming

Principal: Landesimmobilien GmbH Stmk.; architect/planner: Architect DI Friedrich Wiesenhöfer; executing firm: Granit Ges.m.b.H.

6 EKZ Gerasdorf

Principal: Ekazent Vienna, Building owner: Austria Immobilien; architectural design: atp Vienna; wood construction: Leyrer & Graf Baugesellschaft, Graf Holztechnik

7 Vibration design of ceilings

European Commission (2008): Human-induced vibration of steel structures (Hivoss) – Schwingungsbemessung von Decken, Leitfaden. Available for download at: www.stb.rwth-achen.de/projekte/2007/HIVOSS/download.php (27.8.12)
Brettsperholz Bemessung – Grundlagen für Statik und Konstruktion nach Eurocode, pub.: proHolz Austria, 2013, ISBN 978-3-902320-96-4



“FOREST MANAGEMENT WITH A SYSTEM.”

**Jörg Strohmeier, member of staff at the round wood
storage area at MM Holz since 2004**

“At our sawmill locations we process the round timber that is harvested in our own forests. The bark that accumulates in the process on site is used in a cogeneration plant directly at the production site in order to supply the location with energy. The heat energy produced in the plant is used both for heating the drying chambers of the sawmill and for drying the saw mill waste used in the pelletisation plant on site.”



Timber is the construction material of today.

Timber continues to open up new application and design opportunities. We at the Mayr-Melnhof Holz Group use our know-how to strongly promote modern products that offer ideal applications for our clients based on the ecological, physical and aesthetical properties of our products. True to our motto: timber for excellent products. If you choose one of our products, you have every reason to do so: because timber means quality of life. It also helps us in our struggle against climate change. Not other building material needs less energy for its production than timber. What is more, it also reduces our CO₂ emissions and provides us with essential oxygen. What could possibly be healthier for our future?

The largest part of the building and construction timber originates from our domestic spruce forests. In order to guarantee the necessary strength and to avoid any possible shrinkage or deformation of the wood, the boards are dried technically at first and then glued to become innovative building materials.

Timber is a tried-and-tested compound material with favourable properties as far as protection against heat in summer and against cold temperatures in winter is concerned. This allows architects to design low-energy passive houses as well as any form of hall and industrial facility constructions. Five times lighter than concrete, timber still provides a comparable level of strength. This opens up a whole new world of possibilities. From light-flooded production halls and spacious office buildings to sports stadiums and even experimental constructions with excellent energy values and ecological effects.



Wood opens up a whole new world of possibilities. From light-flooded production halls and spacious office buildings to sports stadiums and even experimental constructions with excellent energy values and ecological effects.



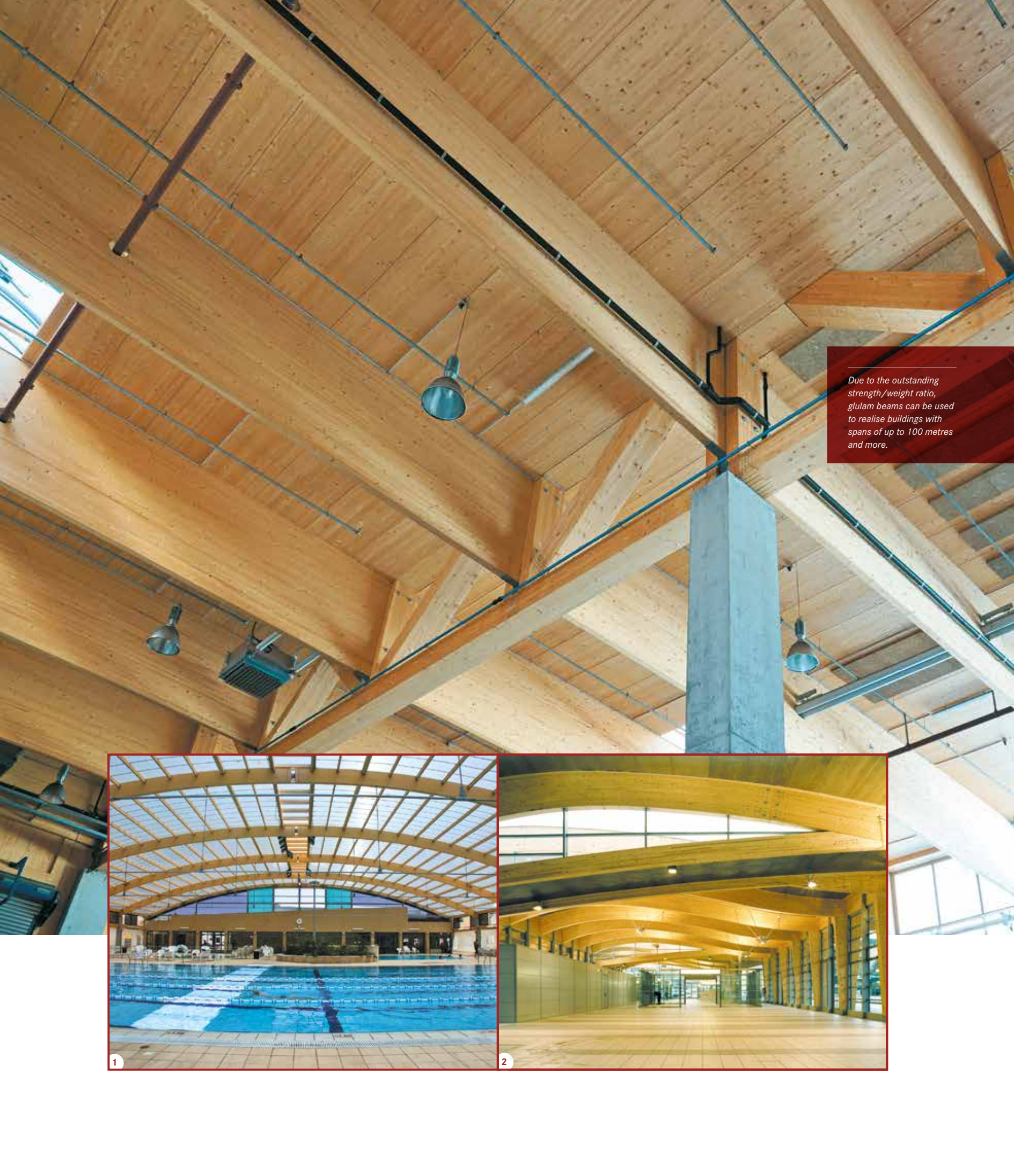
“CONSTRUCTIVE MEETINGS FOR INTELLIGENT TIMBER CONSTRUCTION.”

Bernhard Kinreich, Architect

“As an architect I was able to discover entirely new perspectives and opportunities with MM crosslam that allow me to offer modern and ecological building solutions to my clients. The cross-laminated timber by Mayr-Melnhof is a timber element that is both solid and able to create distinctive spaces. Thanks to its flexible dimensions and excellent physical building properties, it is suitable for any thinkable building requirements. I am currently planning a multi-storey residential building where these large-format solid timber boards allow me to deal with special structural challenges without any problems.”







Due to the outstanding strength/weight ratio, glulam beams can be used to realise buildings with spans of up to 100 metres and more.



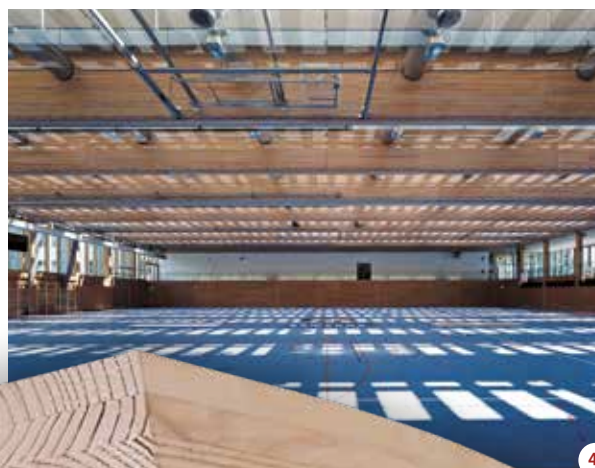
1



2

MM masterline

Glulam beams – a new dimension of intelligent wood construction.



MM masterline is the quality brand for glulam beams by the Mayr-Melnhof Holz group of companies. The brand name **MM masterline** stands for innovative technology, first-class quality, competent advice and reliable supply service. As an international company we give advice to architects, engineers, timber builders and trading clients around the globe with regard to the planning and realisation of challenging, creative building projects with our timber engineering products. Extraordinary requirements provide the kind of challenges we are used to handle.

- 1** *Glulam products are resistant against abrasive chemical substances.*
- 2** *Special forms such as arches or flexed building components represent no problems.*
- 3** *The fascination of glulam products is based on their free formability and high load-bearing capacity.*
- 4** *Glulam beams have the same load-bearing capacity as steel while having less weight, which allows for slim dimensions of building components.*

MM vista^{line}

Double/triple beams - quality for visible timber constructions.

MM vista^{line} is a rectangular-shaped, glued lamella beam for visible indoor and industrial applications. Solid timber beams consist of 2 or 3 lamellas that are glued together vertically. A particular cut, the special sorting and careful drying of the spruce timber are preconditions for the unique visual quality of the final product. Since 1991, lamella beams have been produced and sold all across Europe by the Mayr-Melnhof Holz Group in Austria at the Gaishorn location in Styria.





1 The beams are dried technically, which makes them very stable in terms of form.

2 Architects and principals appreciate MM vistaline as dimensionally stable and low-crack lamella beam without any visible glue joints along the height of the building component.

MM blockdeck

Glulam boards – ecological building with a distinctive profile.

The brand name **MM blockdeck** includes profiled laminated floorboards and log house planks for wall, ceiling and roof constructions produced at the plants of the Mayr-Melnhof Holz Group.

MM blockdeck consists of high-quality, glued spruce lamellas and is offered in dimensions from 44 to 160 mm thickness and lengths up to 18 metres. The available standard qualities of **MM blockdeck** are A/A and A/C for high requirements in visible installations, provided by the plant at Reuthe. For larger orders, individual production with customised profiles in our other plants is also possible.



Solid, modern and versatile. MM blockdeck is used both in traditional as well as modern wood constructions.

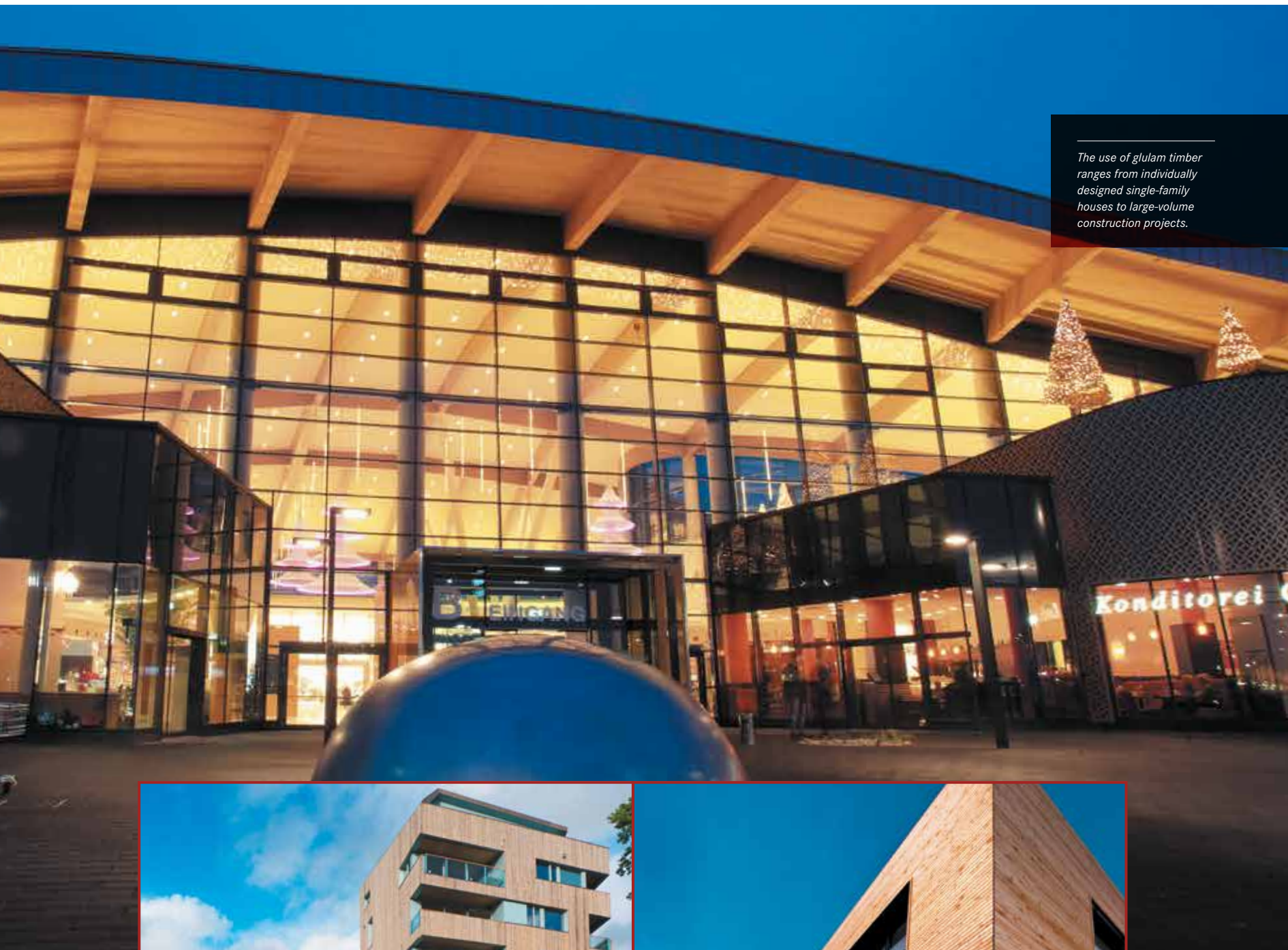


1 Glulam boards are used for ceiling, wall and roof constructions.

2 Spruce timber offers excellent wind and weather resistance for vapour-permeable constructions.

3 Lengths of up to 18 metres are feasible.

4 Only carefully selected, high-quality spruce timber is processed.



The use of glulam timber ranges from individually designed single-family houses to large-volume construction projects.



1



2

MMcrosslam

Glulam timber – ecological, individual and ready to use.

Developed for applications in timber constructions.

MMcrosslam is a solid, structurally effective wooden element that also creates distinctive spaces. Thanks to its flexible dimensions and excellent physical building properties, it is suitable for any thinkable building requirements. The crosswise layering construction made of high-quality raw material with permanent bonding provides dimensionally stable, rigid and slim building components.



- 1** Due to the high load-bearing capacity, MM crosslam is an excellent choice for multi-storey housing and administrative buildings.
- 2** The wide range of creative options fulfils the requirements of both modern and traditional architecture and building methods.
- 3** The quick and uncomplicated assembly of the elements allows extremely short construction times.
- 4** With large-format solid timber boards, even difficult structural challenges can be solved.



Solid, water-proof glulam timber elements are glued to each other and meet the highest requirements in the construction industry, both economically and ecologically



1 With MM profideck it is possible to install an immediately load-bearing ceiling in record time.

2 From below it is a visual ceiling immediately ready for indoor usage.

3 This wooden ceiling is a great alternative to steel-reinforced concrete ceiling or wooden beam ceiling.

MM profideck

The most reliable ceiling in the world.

MM profideck stands for solid, water-proof glued glulam timber elements that meet the high requirements in the construction business both in terms of economy and ecology. **MM profideck** is manufactured with thicknesses from 8 to 26 cm, a standard width of 62.5 cm and lengths of up to 18 m at all locations of our Group. Depending on the relevant requirements of a project and the technical possibilities of our locations, the elements are available with double or multi-groove and tongue, single-grooved or square-edged profiles. Each ceiling that leaves our plant is loaded in the correct order of assembly and will be directly delivered to the construction site on request.



K1 multiplan

The power board – often imitated but never duplicated.

K1 multiplan is a three-layer solid timber panel approved for structural usage by the German Institut für Bautechnik (Institute for Construction Engineering). It comes with its own EC Certificate of Conformity. This construction board is characterised by extraordinary high load-bearing capacity and dimensional stability. With thicknesses from 20 to 75 mm and lengths up to 18 m its dimensions are very versatile and flexible.

K1 multiplan has been produced at the location in Reuthe/Bregenzerwald in Austria and has had huge success since 1993.



Planners, engineers and timber builders have trusted in the reliable benefits of this product for over two decades.

- 1** The excellent strength and high load-bearing capacity of K1 multiplan allows its use in the most different special constructions imaginable.
- 2** It is the best alternative for load-bearing roof and ceiling elements in housing and hall constructions.
- 3** Even high acoustic requirements, e.g. at the ice sports hall at Dornbirn/Austria, have been easily met using a hole pattern.



The concrete formwork panels and formwork beams by Mayr-Melnhof Holz are used wherever premium quality, durability and perfect concrete appearance are required.



1 K1 yellowplan – 3 glued layers in top quality for the highest requirements.

2 With the versatility of our current supply programme, structural engineers, architects and project managers can further increase the efficiency of a project.

3 High-quality raw materials, technically flawless processing and the protective cap system that has been tried and tested worldwide provide the formwork beams with their unrivalled long lifetime.



3

HT 20plus K1 yellowplan

A perfect appearance of the concrete with products that have enjoyed decades of successful use and worldwide renown.

HT 20plus is an international brand for concrete formwork beams by Mayr-Melnhof Holz. High-quality raw materials, technically flawless processing and the protective cap system that has been tried and tested worldwide provide the formwork beams with their unrivalled long lifetime. **HT 20plus** stands for best quality in construction.

For nearly 50 years, the **HT 20plus** formwork beam by Mayr-Melnhof Holz has become one of the leading brands in the concrete construction business. Thanks to its robustness and above-average useful lifetime, the **HT 20plus** has enjoyed an excellent reputation among industry insiders.

In 2010, the product range of the **HT 20plus** upgraded by four additional types of beams, namely the **HT 12plus**, **HT 16plus**, **HT 24plus** as well as the **HT 30plus**.

K1 yellowplan is the concrete formwork panel by Mayr-Melnhof Holz. It is used wherever premium quality, durability and a perfect concrete appearance are required. The **K1 yellowplan** formwork panel is produced at the Austrian location at Reuthe/Bregenzerwald, from where it is delivered to your branch office or, at your request, directly to the construction site.



MM sawn timber

We cut 3 million solid cubic metres of softwood logs per year!



The **MM sawn** timber division is active in Austria, the Czech Republic and Russia. The supplied softwood logs are sorted according to diameter, length and quality immediately after debarking. Computer-controlled chipping line technology with high dimensional precision of the cutting process is used for the softwood logs at all locations of the Mayr-Melnhof Holz Group. Subsequently, the cut timber is dried in the drying chambers to extract the residual moisture, guaranteeing that the timber will keep its form and quality in the future. The drying process also prevents cracking and possible warping. Environmentally sound fuels where quality is put first.

MM royalpellets MM royalbriquettes

Environmentally sound fuels - where quality is put first.

Wood pellets

The production and use of **MM royalpellets** is environmentally friendly and guarantees the best possible heating value. Burning wood pellets does not increase greenhouse emissions – the combustion process is CO₂-neutral. Wood pellets do not contain any synthetic or chemical bonding agents and are therefore usable for environmentally heating systems in family houses, larger residential complexes, industrial boiler plants, administrative building or apartment houses, etc.

Heating with **MM royalpellets** is both convenient and easy. **MM royalpellets** are delivered in bags or by a tank lorry, stored in a room and automatically conveyed to the heating boiler in the heating room.



Wood briquettes

This environmentally friendly heating material is made of sawing by-products and requires no use of any binding agents or additives. Due to the high degree of compaction during briquette production, wood as a natural product assumes the combustion characteristics of brown coal but provides the additional benefits of producing very little ash and having low sulphur content.

The CO₂ balance of **MM royalbriquettes** is neutral, because the CO₂ emitted during combustion equals the amount absorbed through the photosynthesis of a new growing tree.





MAYR-MELNHOF HOLZ LEOBEN

The headquarters of the Mayr-Melnhof Holz Group that was founded in 1850 as well as of the Holding are located in Leoben. The 1 million of solid cubic metres of softwood required for on-site production largely come from densely wooded regional forests. The modern large-scale sawmill mostly produces standardised sawn timber using spruce and a minor share of fir and larch.



MAYR-MELNHOF HOLZ FRANKENMARKT

The plant at Frankenmarkt has a maximum cutting capacity of 800.000 solid cubic metres and produces for markets all over the world. The softwood logs processed in the sawmill largely originates from regional forests. The operation of an integrated biomass combustion plant provides the required heat energy for wood chip and timber drying. At Frankenmarkt, wood shavings are also used to make briquettes.



MAYR-MELNHOF HOLZ GAISHORN

Mayr-Melnhof Holz Gaishorn is a leading manufacturer of glulam beams in Europe and a centre of competence for constructive wood building. With cross-laminated timber as the latest product, even special structural challenges can be met without any problems – an option highly appreciated on markets such as Austria, Italy, Switzerland, Germany, France and South-East Europe.





MAYR-MELNHOF HOLZ PASKOV

The Czech Republic's largest sawmill is located in the northeast of the country in the North-Moravian town of Paskov. This plant was put in operation in 2004 and processes a cut volume of 1.10 million solid cubic metres of softwood that originates primarily from densely wooded, regional forests.

WOOD PASKOV

Wood Paskov S.R.O. organises and controls the joint raw material purchase for Mayr-Melnhof Holz Paskov and Biocel Paskov A.S.

MAYR-MELNHOF PELLETS PASKOV

Sawing by-products (sawdust and wood chips) of the sawmill in Paskov are processed in the pellet plant, a 50-50% joint venture of Mayr-Melnhof Holz and Bio Pellets Beteiligungs GmbH.



MAYR-MELNHOF HOLZ EFIMOVSKIJ

The first Russian sawmill of the Mayr-Melnhof Holz Group is located about 300 km east of St. Petersburg. On an area of 20 ha, the large-scale sawmill was built right in the middle of extensive woodlands. In September 2009, one of Russia's largest and most modern sawmills was put in operation. It has reached its full capacity in 2013. The Management is currently actively engaged in realising a number of modernisation and further processing projects (e.g. pellet production).



MAYR-MELNHOF HOLZ GAISHORN – WERK KALWANG

One of the most modern laminated timber plants in Europe is located in the Styrian town of Kalwang. The Kalwang plant is integrated with the location at Gaishorn and is specialised in special components, while Gaishorn is mainly focused on standardised components. The annual capacity of the Kalwang plant amounts to 60.000 m³ glulam beams. Direct railway and highway connections provide transport efficiency benefits.



MAYR-MELNHOF HOLZ REUTHE

For more than 50 years, glued-laminated timber products have been produced in Reuthe for constructive wood and formwork applications. Today, Mayr-Melnhof Holz Reuthe is among the leading suppliers of glulam beams in Europe and supplies wood construction companies, expert dealers, importers and construction firms worldwide.



MAYR-MELNHOF HOLZ RICHEN

The location at Eppingen-Richen is primarily focused on standardised components. With its long-standing tradition in glulam timber production, it is an important pillar within the entire Mayr-Melnhof Holz Group.

The geographically convenient situation of this plant (metropolitan areas of Heilbronn, Mannheim and Stuttgart) guarantees the swift, cost-efficient supply of its core markets.



MAYR-MELNHOF RUNDHOLZHANDEL

Mayr-Melnhof Rundholzhandel organises the entire volume of softwood logs required by various different segments of the wood-processing companies Mayr-Melnhof and Schaffer. The primary goal of MMR is to use and promote the “wood competence cluster Styria”.

MAYR-MELNHOF TIMBER TRADING

As the exporter of the Mayr-Melnhof Holz Group, MM Timber Trading supplies sawn timber and a wide range of other wood products to customers all around the world as well as importers, traders and processing companies.

Our clients can rely on the long-standing experience and comprehensive know-how of MM Timber Trading. In addition, we are able to meet our clients’ requests with maximum flexibility and our tried-and-tested transport logistic solutions that keep the distances between producer and client as short as possible.



STROJLES-2

The forestry company Strojles-2 GmbH is part of the Mayr-Melnhof Holz Group and a subsidiary company of the Mayr-Melnhof Holz Efimovskij sawmill. All in all, this forestry company manages an area of 320,000 ha with maximum annual cutting rights of 575,000 solid cubic metres.



European
Technical Approval
ETA-09/0036



EC Certificate of
Conformity
1359-CPD-0196



German Technical
Approval
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Chain of Custody



Environmental Seal
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