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INFORMATION

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Austrian companies that would like to be listed in this directory, please contact the office of ADVANTAGE AUSTRIA - Austrian Trade Commission in Chicago (T +1 312 644-5556 / E chicago@advantageaustria.org).

DISCLAIMER

Despite our best efforts to provide up-to-date and accurate information in this brochure, the Austrian Trade Commission, Advantage Austria, and the Austrian Federal Economic Chamber (WKÖ) decline any responsibility for inaccurate, incomplete, or outdated information that may be printed in this booklet, and expressly disclaims any liability for errors or omissions in its contents.
Dear Readers and Green Building Enthusiasts,

In addition to being a trailblazer in the field of sustainable building worldwide, Austria is also a leading country in the sustainable construction and solar energy technologies and boasts the highest density of passive houses worldwide. Austrian building technologies stand for efficient, cost-effective and sustainable solutions for the buildings and cities of tomorrow. Austria was among the first countries in Europe to apply sustainable building technologies and now leads the world in the number of energy-efficient buildings per capita.

High quality standards, technological excellence and Austrian green building expertise enjoy a stellar international reputation. Through collaboration and partnership with US companies, Austrian firms provide their expertise in ecological building materials with lower carbon footprints, recycled materials and prefabricated building parts. We see the major areas of opportunity for a collaboration with Austrian experts in North America in architectural, engineering and energy performance building products. By introducing modern, industrial building technologies to the US market, Austria is succeeding in integrating many innovations into a single, game-changing solution.

In an era of glass and steel, the Austrian sustainable construction industry turns to wood as a basic material for construction and thermal insulation. Wood can be the perfect sustainable material; it sucks up CO2 and once cut, it holds it for the life of the building. Austria succeeds in pushing the envelope by using all parts of the tree, from the heartwood to the bark. Wood is not only used as a construction material, but also for floors, wall and ceiling cladding enabling architects to design a wide variety of layouts and exterior skins creating sustainable buildings.

This publication "Austrian Sustainable Products & Technologies for North America" is our fourth edition and is now available at www.advantageaustria.org/us. This directory is a "must-have" for those looking for innovative green building products, technologies and services from Austria.

“Danke” and thank you for your interest in Austrian products and technologies.

Peter Sedlmayer
Trade Commissioner

Chicago, October 2014
COMPANY DIRECTORY
AAT plans and builds biogas plants for digesting food waste, organic waste, production waste, liquid manure, renewable resources and sewage sludge and for the anaerobic treatment of waste water from the food industry. The remaining digestate is processed to make fertiliser and the biogas is utilised to generate power and heat.

AAT has more than 30 years of experience in constructing biogas plants and sewage sludge digesters and is therefore a competent and reliable partner. Our services include consulting, project studies, process and detailed planning, plant equipment, construction management, commissioning and plant maintenance.

AAT also supplies turnkey plants such as:
Pre-treatment and pasteurisation plants, fermenters, agitators, gas holders, gas production plants, desulphurisation plants, gas utilisation plants, gas flares, measurement and control technology and safety valves.

REFERENCES

- Agricultural Plants - Slovenia, Austria, Germany, Czech Republic, Slovakia
- Municipal Plants - Austria, Iraq, Poland, Czech Republic
- Organic waste disposal plants - Switzerland, Slovenia, Austria, Belgium, Germany
- Equipment - Iraq, Austria, Czech Republic, Poland, Taiwan, Slovakia, Romania
ABA - Invest in Austria, the Inward Investment Promotion Agency of the Austrian government, is the international investor's first business address in Austria. We provide comprehensive support and assistance to foreign investors planning business establishments or acquisitions in Austria. As a government-sponsored agency promoting Austria as a business location, all our services are free of charge.

We provide information, personal assistance and custom-designed services in the following fields:

- Austria as a profitable business and research location
- Business, political and legal conditions
- Establishing all necessary contacts in Austria
- Identifying, locating and selecting appropriate industrial sites, office locations and commercial properties
- Cost factors (property, labor, utilities, other infrastructure costs)
- Potential Austrian suppliers for domestic sites
- Legal and tax advice
- Labor regulations
- Advice on equity and real estate investments
- Advice on incentives and other public financing sources
- Support with facility approvals, permitting, licenses and other official procedures (residence and work permits, visas, etc.)
- Helping expatriates with relocation issues such as moving and living abroad, housing, school recommendations, etc.
- Coordination with state economic development agencies
- Continuing support and assistance when expanding sites, manufacturing facilities, scope of business operations, etc.
Alutechnik Matauschek GmbH, founded in 1913, is a completely family-run firm that goes back four generations. The company has its headquarters in Kapfenberg, Styria. Our principal activities are providing advice, planning, manufacturing and installing aluminium/glass elements for superior building projects.

Alutechnik Matauschek is a self-sufficient company, i.e. a system provider, as all our aluminium designs (windows, facades, conservatories etc.) are developed in-house and are always in line with the latest trends.

Austria and its neighbouring countries are our main markets. Alutechnik Matauschek has however undertaken individual projects further afield e.g. Finland, Portugal, Spain, United Arab Emirates, England and France.
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AMARI AUSTRIA GMBH is an internationally competent partner in the field of energy-efficient, sustainable construction and both plans and supplies windows and doors made from aluminium. The company supports architects from the planning phase to implementation - you too can benefit from the decades of experience that Amari Austria has to offer!

The activities of the company focus on the development and production of aluminium designs for use in architecture, transport and mechanical engineering.

In the field of architecture and design Amari Austria distributes windows, doors and facades for the high end residential segment.
ARCHITEKTEN TILLNER & WILLINGER work in equal measure on master town planning, on construction projects and detailed cultural projects. The range of services includes all aspects of architectural planning, primarily as a ‘general planner’.

Experience shows that comprehensive overall planning from the preliminary studies and design through scrupulous detailed planning can contribute significantly to the success of the construction. Sustained planning with environmental and ecological considerations is a matter of course.

Every project the practice undertakes is therefore unique and solutions are developed which are appropriate to the location and tailored to react to the actual situation. Precise inputs can thus achieve maximum effect with minimal outlay.
With more than 520 employees ATP architects engineers is one of Europe’s leading integrated design companies with a focus on the planning branches of retail & entertainment, offices, industrial & logistics facilities, health, residential, tourism and education & research. ATP supports clients in Central and Eastern Europe. When our clients require our special expertise in the fields of production and logistics we also accompany them to other continents. The international experience that we have built up over decades is grounded in the local presence offered by integrated design offices in eight major European cities: Vienna, Munich, Frankfurt, Zurich, Moscow, Budapest and Zagreb as well as the headquarters in Innsbruck.

Core Competence Integrated Design
As fully integrated designer we accept responsibility for design, engineering and site supervision services during all project phases, from conception to construction. We perform all services simultaneously and interdisciplinarily, from the project idea to the completion of the building. We call this single source fully integrated design. ATP architects take the lead in this integrated design process in intensive cooperation with the client. All creative contributions to meeting the challenge in question are dealt with simultaneously and treated as of equal importance as they are integrated by ATP’s architects and engineers into the design process with the aim of contributing to the sustainable quality of our buildings and, hence, to the core processes of our clients.
Austrotherm is one of the leading manufacturers of thermal insulation boards (EPS and XPS), façade profiles and special products in Central and Eastern Europe. Since its origins in 1953 it has always been recognized and trusted for its consistent quality and drive for innovation.

Austrotherm is the international licensor for “AdhesiveAnchor” - a new bonding system for ETICS. The company was the first to produce expanded and extruded polystyrene products in Austria (Austrotherm EPS, Austrotherm XPS). The Austrotherm Group consists of 11 companies with 17 plants. It is also a part of the Schmid-Industrie-Holding (with trademarks like “Baumit”) - one of the largest European groups of building materials producers.

“AdhesiveAnchor”: Bonding of ETICS without additional anchoring in existing old plasters (max. 40 mm thicknesses). The “AdhesiveAnchor” is anchored into the supporting masonry and covered with adhesive patches “wet in wet” before bonding of the insulation panels. This creates additional adhesive points bound firmly to the supporting masonry.

“AdhesiveAnchor“:
- Innovation in bonding of ETICS
- saves on costs and energy
- no thermal bridges
- no plug sinkage

Austrotherm was one of the first western enterprises to enter Eastern and Middle European markets, and high quality thermal insulation is now becoming more and more important in those countries.

Customer-oriented range of eco-friendly products, steady development and international enlargement - that is Austrotherm's long-term conception of success.
Berger+Parkkinen Architects is an international agency for architecture, urbanism and design, founded in 1995. Presently there are about 20 architects and administrative staff of six different nationalities working in our office in Vienna. The team is led by Alfred Berger and Tiina Parkkinen.

Berger+Parkkinen Architects realize individual and sustainable solutions to a wide range of constructions, from the much-noticed Nordic Embassies in Berlin to the award-winning University of Applied Science in Hagenberg. Projects for private and public clients are currently underway in Vienna, Salzburg, Ljubljana and Hamburg. Berger+Parkkinen Architects has received by numerous national and international prizes.

Sustainable design strategies in the fields of:
- architecture
- urban design
- interior design
- landscape design

REFERENCES
- *Public Building, Administration and Education*: University of Applied Science - Hagenberg (Austria), The Embassies of the Nordic Countries - Berlin (Germany)
- *Health+Social and Sports*: Ice Sports Center - Vienna (Austria)
- *Infrastructure*: Station Centre - Hamburg (Germany)
- *Culture*: Museum MCUR La Réunion (France), Music Theatre - Linz (Austria)
- *Urban and Landscape Design*: New Campus for the University of Economics - Vienna (Austria)
- *Office, Retail and Hotels*: Competence Park - Salzburg (Austria), residential Residence Ypsilon Ljubljana (Slovenia), Boulogne Billancourt - Paris (France), Residence of the Norwegian Embassy - Vienna (Austria)
CROSS LAMINATED TIMBER

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Binderholz Bausysteme GmbH (Timber Construction System) produces and markets the binderholz cross laminated timber BBS. BBS are multilayered, completely and made solidly of wood. Due to the gluing of longitudinal and transverse layers, the “working” of the wood is reduced to a negligible degree. Thus, the standards of a modern building material are assured. BBS is a solid pre-fabricated element made of wood that insulates heat and can simultaneously carry loads. It is fireproof and has a sound-absorbing effect. It can be constructed quickly and in a dry manner, and has beneficial effects on humans.

Binderholz Bausysteme GmbH is a company that belongs to the binderholz-Gruppe (binderholz group). In the timber industry the name BINDER stands for tradition, consciousness and reliability combined with high tech and innovation.

Wood is a material created by nature. Therefore, it does not contain any chemical additives and does not give off any damaging substances. Wood is the only renewable, and for this reason sustainable, material. Wood is a cozy material for everyone and familiar to everyone. Wood can actively store CO2 and thus counteracts the greenhouse effect. Making more use of wood in the building industry leads to more permanently bound CO2.

Only 1 m³ BBS is able to store 750 kg CO2. This is in no relation to the CO2 discharge when manufacturing 1 m³ of BBS. 100 m³ BBS is able to store the amount of bound CO2 that approx. 40 vehicles give off during their lifetime. BBS is ecologically recyclable. Reuse makes sense ecologically and leads to direct cost advantages.

From 1 m³ of BBS, you attain approx. 3 cubic meters of dry, chopped material, which can be either processed to derived timber products or thermally used as high-quality fuel. Compared with other materials, the production of timber requires very small amounts of energy.
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Contact Person: Mr Florian Nowy

COMPACFOAM GMBH:

COMPACFOAM is an entirely new high-pressure resistant thermal insulation material on an EPS - polystyrene basis to avoid cold bridges in facade engineering. The material is protected by international patents.

COMPACFOAM is useful when a combination of high strength, screwing and thermal insulation is required. Areas of application include core material for sandwich panels, construction elements for windows and doors, elements for cold bridge free installation in all insulated areas of building shells, composite applications (where a durable, damp resistant core material with minimal shrinkage and swelling is required) and for pressure resistant construction elements for cold chambers and refrigeration units.

We wish to contact new direct customers and also distribution partners and representatives for our further expansion.
Cree: High aspirations with wood. More than 50% of the world’s population today lives in cities with more than 1 million inhabitants – and the trend is increasing. At the same time, around 40% of today’s energy, CO2 and resource consumption and 40% of waste production are accounted for by the global construction industry. In the past, urban architecture has been based predominantly on conventionally produced prototypes with long, complex construction work. The Vorarlberg Cree GmbH intends to change all this with a hybrid construction system for high-rise buildings which is based predominantly on a renewable raw material - wood.

The LifeCycle Tower developed under the leadership of the Rhomberg Group is soon to become reality. The LCT ONE, a prototype with eight of possible 30 storeys will be completed in Dornbirn in the spring of 2012. Responsible for this development is a company that has been specially founded for this project by Rhomberg Bau: Cree. A company name which is borrowed from the philosophy and lifestyle of the original inhabitants of North America, and is intended to signify that the company has a close accord with nature. In today’s terms, Cree stands for Creative Resource & Energy Efficiency.

A LifeCycle Tower is erected as a system: several modules are pre-manufactured in the factory and are assembled on site. Compared with conventional construction methods for similar buildings, this enables the building time to be reduced by half – as is the exposure to dirt, dust and noise.

In spite of the minimal use of resources and energy in the overall life cycle, it is still possible to have high aspirations with a LifeCycle Tower: the hybrid timber building can be extended up to thirty storeys with a height of 100 meters. Every LifeCycle Tower also features an energy-efficient facade.

This concept also opens up economic opportunities for the timber construction industry as well as for all component manufacturers associated with any aspect of house building, from the bathroom equipment supplier to the solar equipment specialist.

Nominated for the Austrian State Prize 2010 for Environmental and Energy Technology

Renowned award: The vision of the LifeCycle Tower was nominated for the Austrian State Prize 2010 in the Research & Innovation category. In February, the jury selected the futuristic lighthouse project from among 80 entries, and presented the nomination certificate to Cree Managing Director, Hubert Rhomberg.
The Department for Building and Environment is committed to the interdisciplinary cooperation that is essential to further developing and distributing the culture of sustainable buildings. To continue to develop and improve, we need creative input from several different and specialized fields.

Their work in research, teaching and consulting is characterized by the complementary expertise from three unique and special fields:

**Architecture and Engineering Sciences**
- Solar-sensitive architecture and location-sensitive architecture
- Building physics, house-automated conception and climate engineering
- Refurbishment and revitalization of buildings and construction infrastructures
- Daylight planning

**Facility Management and Security**
- Facility planning
- Building operation optimization
- Infrastructural security
- Lifecycle cost analysis

**Real Estate Economics**
- sustainable investment in real estate
- valuation of real estate
FUCHS Metalltechnik GmbH is a market leader in Central Europe in the field of window fixing technology.

This innovative window air conditioning and heating technology, constructed in a single, closed component, allows for:

- year-round continuous minimum ventilation without harmful hermetic encapsulation (no mold formation or oxygen depletion with maximum noise prevention)
- climate control in summer by means of minimum ventilation without additional energy consumption
- power production utilizing solar energy in periods of heating or in connection with a Venetian blind acting as an absorber with a minimum need for ventilation
- maximum passive house insulation with closed ventilation modules (e.g. during periods of extreme cold)
- climate technology with maximum efficiency, manually or automatically controlled. In connection with other technologies, this innovative product allows for the construction of the “zero energy house” without CO2 or fine dust pollution.

Additional technical details are available on the following homepages: www.klimafenster.com and www.fuchs-metall.at.
Soulbox - the way we build today
System-based eco-solar individuality.
Soulbox is a modular timber construction system for building passive/very low energy houses available in LIVING, OFFICE and WELLNESS, and FAMILY models. The four modules, “Micro, Mini, Midi and Maxi”, offer an unlimited variety of design possibilities. The ideal solution for all living and work spaces - recognition has already come in the form of the Austrian Solar Prize, several timber construction prizes and the Energy Globe Award.

Characteristics
- energy-efficient and sustainable
- flexible and modular
- green and organic
- fast execution
- guaranteed quality
- affordable guaranteed prices

The declared goal of easyLIVING is to expand into the whole of Europe and selected target markets worldwide via licensing agreements and joint ventures. In particular the company is seeking licensing partners for marketing and implementation and property developers for the implementation of commercial projects.

REFERENCES
Österr. Hagelversicherung - Vienna (Austria), UBM Realitätenentwicklung AG - Neusiedl/See (Austria), Mole West GmbH - Neusiedl/See (Austria), sBausparkasse (Austria), Friedrichshof Wohnungsgenossenschaft regGenmbH - Zurndorf (Austria)
For over one hundred years, Eternit has stood for the innovation and achievement of Austrian engineers and craftsmen, always with an eye towards the constant improvement and expansion of the product line. Whether it’s roof panels, concrete roof tiles or cladding panels - all Eternit products are manufactured with the greatest precision on state-of-the-art machines and are subjected to frequent endurance testing and quality inspections.

Ludwig Hatschek invented a completely new product which combined lightness and water impermeability with unbreakability - and which was also extremely cost-effective. In 1903 he had this new, revolutionary material patented worldwide under the name “ETERNIT”. Today a wide range of top, highest quality products for building and roof construction are manufactured with high-tech machinery in their state of the art factories.

From Voecklabruck’s old “Kochmuehle” paper mill in 1894 to today’s modern industrial plant - that is ETERNIT’s thriving history. At the end of the 19th century the founder of the Eternit factory, Ludwig Hatschek, succeeded in developing an entirely new material which was destined to change the roofs of the world.

REFERENCES
Lapsiding - Philadelphia (USA), structured panels 30x30, Special colors San Francisco (USA), Special color C 1064 - Stamford (USA)
E2zero® is the umbrella brand for a variety of product solutions supporting your efforts to make your building more energy-efficient.

Designed by a group of researchers, architects and engineers, E2zero® green building products provide air barrier and weatherization solutions to create high-performance buildings, effectively reducing emissions and energy consumption costs.

Our products are IBSEE-certified to assure you that the E2zero® brand is held to the highest standards.

E2zero®’s sole focus is on energy-efficient, sustainable and affordable building products and materials.

Find out more about how the E2zero® product portfolio can increase the value of your building and improve the comfort level, productivity and health of its occupants.

“E2zero® - a new brand for smart building products and materials to increase the value of your building and to make it a better place to live and work.”
Windows for Visionaries

Gaulhofer windows invite your outside aesthetics in. Gaulhofer quality holds what our motto offers: *One Window. One Lifetime.* Gaulhofer produces windows which completely redefine window quality for customers.

Recently Gaulhofer developed NATURELINE and FUSIONLINE, our latest wood and wood/aluminum window lines. The windows are a symbiosis of technology and design, and innovation and sustainability. They were developed based on Gaulhofer’s innovative, high-tech production technology and a preference for 100% natural materials.

Over 90 years’ tradition of artisan window craftsmanship and technology tell their own story. For better windows. For you.

Gaulhofer entry doors also welcome you. First impressions are essential, so our attractive design and restrained elegance work with you. Gaulhofer’s entry doors reflect your personal style to complement your house and windows. The Gaulhofer entry door line offers aesthetics and surface designs to match all Gaulhofer window lines. Integrated security features keep unwanted guests away without compromising the view of your world. Gaulhofer welcomes you home with good feelings.
Getzner Werkstoffe GmbH is specialized in the isolation and mitigation of vibrations, and is the leading manufacturer of technical polyurethane materials for railway, industrial and construction applications.

The company has been developing solutions for vibration isolation for over 40 years. Getzner was also quick to recognize the tremendous prospects of wood construction and sought out an active exchange of knowledge and experience with pioneers in this field in Vorarlberg. Today, Getzner is the leading development partner for sound insulation solutions in (wood) construction.

Along with the plants in Buers (Austria), Gruenwald/Munich (Germany) and Berlin (Germany), Getzner Werkstoffe also has branch offices in Japan, China, Jordan and India. The tight distribution network in Europe is complemented by distribution partners in the USA, South America and Asia. Partners in a total of 35 countries around the world are involved in the distribution of Getzner Werkstoffe’s products.

Solutions are available for stairs, floors, ceiling structures, terrace floors and the junctions between walls and floors. Vibration isolation can also be performed on sanitary equipment, pipes, machines and technical building systems using the elastic materials Sylomer® and Sylodyn® in order to ensure that buildings meet even the highest demands for comfort. Getzner Werkstoffe also offers products for a unique field of wood construction: modular construction as a mobile, expandable and flexible solution for living spaces.

REFERENCES
- Luxury residential complex “The Touraine”, New York/NY
- The Rushmore Building, New York/NY
- Medical Room, Harlem Hospital New York/NY
- Orthopedic Center of Illinois, Springfield/Illinois
- BMW-Welt, Munich/Germany
- Housing concept “Bo-Klok”, modulaw wood construction, Skanska/Sweden
- BMW Alpenhotel Ammerwald, modular wood construction, Reutte/Austria
Visionary architects and project developers think and plan the seemingly impossible and thus shape the future of the world in which we live. The truly exceptional is their calling. The professionals from GIG realize high-value, premium facades around the world and in this manner lend the architecture of tomorrow a unique appearance.

Irrespective of the complexity of your technical demands and the extent of your creative requirements, they design and implement tailor-made solutions for your projects. Part of this process is a willingness to undertake thorough research and interdisciplinary teamwork on an ongoing basis. To this end, they also integrate know-how from other branches and technologies into their activities. This outstanding dedication to quality, innovation and individuality provides you with the security emanating from a strong partnership. The result is that many of the frequently prizewinning major projects which have been managed and supplied by GIG number among the most famous in the world.

REFERENCES
Austrian Cultural Forum - New York (USA), Fitzrovia London - London (United Kingdom), The Energie AG PowerTower - Linz (Austria)
GOBLI Bauengineering is a greenbuilding engineering company established by Robert Gobli in 1998. The Austrian-based and internationally active company offers solutions tailored to clients’ needs throughout the entire lifecycle of all types of buildings in the industrial, commercial and residential sectors, such as offices, retail and residential properties. The experienced team consists of well-trained engineers and a wide network of cooperating specialists and companies.

GOBLI Bauengineering is a member of the U.S. Green Building Council as well as the German and the Austrian Council for sustainable construction (OeGNI / DGNB). The firm’s clients include private as well as public and non-profit building owners, developers and design firms, Magna International and OIC headquarters, among others.

The firm’s product range includes all services from planning till onset of operation and conversion or refurbishment of a building’s asset. High-standard services are offered in architecture and design, cost and value management, quantity surveying, project management, site supervision and construction monitoring, tendering procedures, owner’s representation, investigation and repair of defective buildings, claim management, authorized expert reports, dispute avoidance and expert witnesses, measurement and optimization of energy consumption and operating costs, technical and commercial due diligences, corporate real estate management, portfolio and asset management, workplace solutions and greenbuilding certifications.

GOBLI Bauengineering is characterized by Robert’s holistic and comprehensive approach in realizing ideas. The most qualified and experienced engineers work closely with their clients at every stage of a project and define clear aims and objectives at the outset. The value-oriented commitment of every single team member provides positive outcomes to meet clients’ business opportunities and challenges by finding ways of getting the most from the money spent on built assets.

GOBLI Bauengineering uses a practical and collaborative approach to advance sustainable and healthy building design, construction and operation - from a single source. This means they can respond quickly to meet their client’s immediate and individual needs.

REFERENCES
- Magna International
- KTM Sport motorcycle
- Generali Insurance Group
- Europolis Real Estate Asset Management
SUN PROTECTION SYSTEMS

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HELLEA - High-grade technology combined with aesthetic beauty and innovation. HELLA has been developing and producing sun and weather protection systems since 1959.

HELLA’s product portfolio offers the optimum solution for every requirement. Up-to-date sun protection systems such as awnings, roller shutters, Venetian blinds, conservatory blinds and others are part of their wide range of products.

HELLA attaches great importance to the high quality and long lifespan of its products, to closeness to its customers, personal advice and on-site service.

REFERENCES
- Skylink - Airport Vienna - Schwechat (AUT)
- Energy Base - Vienna (AUT)
- Hospital - Innichen (ITA)
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HERZ Energietechnik has more than 230 employees in production and sales. The company operates from two locations in Austria - Pinkafeld/Burgenland and Sebersdorf/Styria - and possesses very modern production facilities and a research centre for new innovative products. This enables the firm to intensify collaboration with research and educational institutions.

Over the years HERZ has become the established specialist for renewable energy systems. The HERZ product range is a one-stop shop for:

- Log wood boilers 10 to 40 kW
- Wood pellet boilers 4 to 2,000 kW
- Wood chip boilers 7 to 2,000 kW
- Heat pumps 5 to 18 kW
- Buffer and domestic hot water tanks

Its principal focus is on modern, cost-effective and environmentally friendly heating systems offering maximum comfort and user-friendliness.
INNOVATIVE GREEN BUILDING MATERIALS, INNOVATIVE GREEN CONCEPTS, INNOVATIVE GREEN SOLUTIONS

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"IDEAS AND..." is a development and implementation platform for simple, innovative, alternative, environmentally-friendly, energy-saving and forward-looking ideas.

The extent of our ideas is far-reaching. Our emphasis at the present time is on innovative, alternative, environmentally-friendly, naturally obtained, renewable 100% organic building materials and on innovative, alternative, low-energy buildings 100% organically constructed from such materials.

In general, "IDEAS AND..." acts as a license giver for proprietary products and projects ready for implementation, but also acts as a producer and distributor.

One of our various forward-looking projects is the project "THE HANGING GARDENS OF BABYLON".

Our latest development is a water- and frost-resistant clay material. This makes the energy and cost intensive burning process, such as that used in brick- and tile production, largely superfluous with a consequent reduction in the CO2 emissions.

The illustrations on the left show the freezing process, the thawing process and the withdrawal process of the water- and frost-resistant clay sample.
Internorm is the largest international windows brand operating in Europe and sells its high-quality products using 10 regional sales companies and more than 1,000 selected specialist dealers. The origins of the firm lie in the Klinger building and construction foundry, established in 1931. The business consortium, Internorm, which is still 100% family-owned, has since become the largest manufacturing brand of windows in Europe.

Internorm is a leading international name in the production of doors and windows, setting a high standard in quality, design and innovation. Internorm leads the industry for quality products and excellent customer service, covering consultation, assembly and after-sales care. With Internorm you can be sure that the whole package represents a secure investment which will appreciate in value.

With 15.5 million units already manufactured, Internorm provides individual windows solutions. The firm is still more than capable of living up to its exemplary, traditional pioneering role. From the inception of uPVC windows in Austria to the current high-tech and top-design innovation, Internorm continues to set standards for the whole of Europe. Together with around 1,000 partners in Austria, Germany, Switzerland, Italy, Slovenia, Czech Republic, Slovakia, France, Luxembourg, Liechtenstein, Hungary, Croatia, Great Britain and Ireland, Internorm continues to further extend its market position in Europe.

The success story of the company began more than 75 years ago, then the creation of Internorm over 40 years ago set a shining milestone in place. Trust in the brand has been shown millions of times over by sales in Europe, which up to now have exceeded 14 million units. This is not only hugely motivating, but also commits us to accept even more responsibility.
Grander Technology products are used in the treatment of the energetic and structural properties of water in both residential and commercial industries. The GRANDER consultants on location understand their work not as a sales position, but rather as a consultancy for questions involving water. Their work involves determining the actual condition of the water directly on location and the measures that are required to attain and maintain the best possible water quality on a long-term basis.

All GRANDER products work on the basis of a purely natural energy - this means

- no electricity
- no chemical additives
- no upkeep

The basic concept of GRANDER water has long outgrown the boundaries of its home country. Experiments and research are conducted worldwide. New insights are gained daily and experience is confirmed.

Water Revitalization Ltd. is the licensed distributor of GRANDER Water for North America and Central America.

The Research and Development office is located in Jochberg/Tirol (Austria), where it is constantly being expanded and enlarged in a cohesive synergy with international sales supervision, brand management and the company’s expert know-how on water.

REFERENCES

- Hotel Erika - Meran (Italy)
- Hotel Bergland - Seefeld (Austria)
- Manner AG - Vienna (Austria)
- Memminger Bier (Austria)
- Seaport Boston, MA (USA)
Kyoto is the name of the city where a protocol relating to a reduction in greenhouse gases was signed in 1997. Kioto is also a name, program and synonym for a strategy of one of the world’s most interesting global enterprises in the field of renewable energy, the KIOTO Clear Energy Group.

At present, the economic backdrop to renewable energy is characterized by three megatrends:

- Sharp rises in the price for conventional energy
- Growing uncertainties with regard to supply, especially in the case of energy from fossil fuels
- The climate change discussion and global warming

Within this context and out of a sense of conviction, the KIOTO Clear Energy Group has set itself the task of utilizing the sun as the primary source of power and heat for the worldwide supply of energy. As a leading OEM producer of solar heaters, solar thermal components and high quality photovoltaic modules, the Group covers the entire market for renewable energy.
KLH’s core competence is the production of large-sized solid timber panels, which are used as wall, ceiling or roof elements.

After establishing the company on the Austrian market, the European distribution network was extended - this network currently spans all of Europe. The importance of markets like Asia and other overseas markets keeps increasing. Approximately 70% of KLH’s solid wood panels are exported, 30% of these panels are sold in Austria.

The European technical approval as well as the technical approval for Germany, France and Spain are proof of constant research and development and permanent internal and external quality control.

Our aim is to further expand the European market and open new international markets, getting them excited about our modern and sophisticated timber construction technology.

REFERENCES

- Office Building - Wakoa (France)
- MK 40 Tower - MILTON KEYNES (Austria)
- (S.M.L - House) - Graz (Austria)
- Murray Grove, London (UK)
Knapp is a family firm that has been established in the market for 25 years and specialises in wood connector systems for use in every part of a building. Our core competence is the development and distribution of connectors for the woodworking industry, from furniture, windows and facades to the whole building.

It all started in 1983 with an idea - to develop a simple connector for use in furniture making and interior design projects that was invisible and self-tightening. This idea led to the development of CHAMP, our orange connector that has proven itself millions of times over and has served as the inspiration for all subsequent KNAPP® products. These all still have one thing in common: they are invisible, self-tightening and can be taken apart.

All KNAPP® wood construction systems have European ETA approval and carry the CE mark and the Ü mark.
KPT research & technology KG specializes particularly in “architecture - building science - energy efficiency - building technologies - consulting”.

In cooperation with an American partner, the Institute for Building Science and Energy Efficiency (IBSEE), we aim to provide a bridge for technical know-how, the state of knowledge of technologies and products relating to the foregoing sectors and for educational activities between Europe and the USA and Canada. The business model is based on the exchange of know-how and making webinars available.

Thus, in the USA, consultancy services have been instituted from a single source and are offered jointly with our cooperation partner IBSEE.
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ECONOMIC AND RESOURCE-FRIENDLY SOLUTIONS FOR YOUR FUTURE EXHIBITIONS

Kub2 advises museums, art galleries, and architects on how to best set up their exhibits using cost-effective and environment-friendly exhibition structures.

We provide a solution to meet your specific requirements and on-site structural conditions, and produce custom-made exhibition walls and movie cubicles/rooms, etc.

Our kub2 exhibition structures are reusable, long lasting, architecturally adaptable, and quick to mount - which cuts costs and are environment friendly. kub2 structures can be assembled in various shapes and sizes to fulfill your exhibition needs.

REFERENCES

USA: The Art Institute of Chicago - Chicago, IL | Baugh Center for the Visual Arts - Belton, TX | Chazen Museum of Art - Madison, WI | Lynn Museum & Historical Society - Lynn, MA

GERMANY: Berlinische Galerie - Berlin | K20 Kunstsammlungen NRW - Düsseldorf | Kunstmuseum Moritzburg - Halle | Ludwig Forum Aachen - Aachen

AUSTRIA: Belvedere - Vienna | Lentos Kunstmuseum Linz - Linz | Leopold Museum - Vienna | mumok - Vienna

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LOYTEC electronics GmbH was founded in 1999 and has become a leading European provider of intelligent network infrastructure products and automation solutions for building automation. LOYTEC exclusively provides open and standardized communication protocols.

Besides router solutions, LOYTEC also develops, manufactures and sells embedded automation servers, DALI light control systems, graphic user interfaces in the form of touch panels or for PC monitors as well as gateways. It focuses on network solutions for buildings and real estate.

LOYTEC exports to more than 80 countries around the world. The company’s export rate is 99.5%.

The freely programmable L-INX Automation Servers are building controllers and also provide connectivity features to integrate into CEA-709 (LonMark Systems) and BACnet networks. In addition interfaces are available to KNX, ZigBee PRO, Modbus, und M-Bus.
MAGE Alu Systems GmbH is a complete provider of aluminum substructures for curtain-type, back-ventilated facades. From the extrusion and processing of aluminum profiles to assembly plans and full structural calculations - we offer reliable and innovative solutions.

**Longevity**
Back-ventilated rainscreen facades are very unlikely to be damaged. Even if a cladding material needs to be changed, this can be achieved with minimum disturbance to the overall structure.

**Ecology**
By using aluminum rainscreen cladding support systems, eco-political objectives are achieved both for new buildings and redevelopments. The measurable reduction of heating energy minimizes the emission of carbon dioxide, which is considered one of the major ecological burdens.

**Recyclability of all individual components**
The recyclability of building materials and components is a major factor in regarding sustainable building and is becoming increasingly more important. The back-ventilated rainscreen facade guarantees the breakdown of the components into their individual constituents and allows recycling to occur.

**Creative advantages of the MAGE FaçadeTEC systems**
Most façade materials can be supported on MAGE rainscreen cladding support systems, but material type is not the only variable. Creative flair is in the hands of the designer. Options include exposed and hidden fixed attachment systems, shaping capability through the use of different bracket sizes and profile types, and the possibility of safely incorporating very different materials on the one façade.
"My home is my castle" - “Passive houses for active students”

The task of the OeAD-Housing Office is to provide international students and guest professors with accommodations in all Austrian university cities. It was founded in 1998 as an independent subsidiary of the OeAD (Austrian Agency for International Cooperation in Education and Research) which remains 100% proprietor. At present, the OeAD-Housing Office accommodates 10,000 international students and guest professors in Austria each year. To improve service in an ecological and economical manner, it aims to build guesthouses with a minimal demand for energy and a maximum of comfort.

With the opening of the first guesthouse (OeAD-guesthouse Molkereistraße) using the passive house construction method in 2005, the OeAD-Housing Office took a first step in the right direction. The company is able to minimize its own ecological footprint while reducing its costs as well as inspiring thousands of students to live a more sustainable way of life. At present the OeAD-Housing Office is able to place over 2,000 persons/ p.a. in passive houses, therefore raising awareness of sustainability. To further intensify its commitment the first Summer University called “Green. Building. Solutions.” was created together with INEX (International Network of Education Exchange), which took place in Vienna/Austria in 2011 for the first time.

This program is put together and certified by a consortium of six Austrian universities. It is a chance to step into the building standard of the future today and become part of the growing market of energy-efficient building. Furthermore it provides an introduction and outlook into sustainable architecture as well as sustainable urban development and planning while presenting leading examples. It gives an overview of greenbuilding rating systems and ecological building materials and renewable resources in order to understand buildings over their life cycle.

The Summer University Program “Green. Building. Solutions.” consolidates leading Austrian expertise into a three-week training program that combines theoretical modules with hands-on workshops while shedding light on best practice projects.

**The immediate benefits:**
- **Learn from the best:** Acquire cutting-edge skills from an Austrian consortium of six universities, experts and alliances
- **Best practice at hand:** internationally leading competence right in Vienna
- **Try it yourself:** enjoy Vienna at its best while living in a passive house
- **Benefit for your clients:** your skills for healthy, cozy and efficient construction and living
The company's primary objective has always been to develop and market innovative heating systems using biomass fuel for high levels of comfort and warmth in detached and semi-detached family homes. As early as 1994 the company started developing fully automatic heating systems using wood pellets as fuel as well as heating systems using briquettes and wood chips.

OekoFEN was founded in 1989. Since the beginning it has worked on the continual research and development of small-scale ecological biomass heating systems, and this mission is reflected in the company name. ‘Öko’ means ‘eco’ or ‘ecological’, and ‘fen’ refers to research and development.

When wood pellets were launched on the Austrian market in 1996, OekoFEN was the first Austrian manufacturer to offer an officially-certified pellet heating system to the public, in 1997. This pioneering activity has had wide-ranging effects throughout the industry and represents the beginning of a period of extraordinary market development.

In 2004 Oekofen launched a pellet heating system with condensing technology, a world first. This development drew international acknowledgement and praise from the heating industry. International sales are handled by regional OekoFEN partners all over Europe. Over 75% of today’s production is exported to Germany, France, Belgium, Italy, Great Britain and Switzerland. The company is still owned by its founders Herbert and Elfriede Ortner, with subsidiaries in Austria, Italy, Germany and France.
Upper Austria is the second most important industrial region of Austria and is considered a pioneer in renewable energy and energy efficiency. Its success is due to both an ambitious energy strategy with a set of concrete measures, and its Sustainable Energy Cluster (Ökoenergie-Cluster OEC). The OEC reinforces the innovative and competitive capacity of participating businesses, thus forging positive market development for sustainable energy.

Participating cluster partners are businesses and organisations in Upper Austria that either manufacture renewable energy and/or energy efficiency technology or are active in the supply chain or as service providers. The more than 170 partners achieve an annual turnover of over 2.2 billion Euro and are employing approx. 8,900 people. OEC partners are exporting in more than 100 countries worldwide.

Cluster partners are active in the fields of solar energy (solar thermal, PV), biomass, biogas, wind energy, geothermal and heat pumps, small hydropower, low-energy and passive buildings, energy certificates for buildings, energy contracting, energy-efficient lighting, energy advice/consultancy and efficient building/process technologies.

The cluster is supported by funding from Upper Austria's strategic economic and research programme “Innovatives OÖ 2020”. The cluster is managed by the OÖ Energiesparverband.

OEC activities include:
- Information and communications: a wide-ranging database of products and services, website www.oec-en.at, newsletters (German/English)
- Human Resources Development: training, meetings and workshops
- Cooperation and technology focus: cooperative projects between cluster partners, universities, research organisations and other networks/clusters
- Technology development: initiating and supporting research projects of the cluster partners
- Export and increasing international focus: representing the OEC, supporting businesses in export activities, networking with energy organisations abroad
- Marketing and PR: producing sustainable energy information material, market positioning of the OEC, PR, market research and development
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OPTIWIN is an international cooperative of medium-sized window manufacturers, with the aim to develop and market innovative building elements, in particular energy-efficient window systems from an ecological point of view.

We provide our licenced partners with a quality addition to their product range. You are provided with know-how for highly innovative and technologically sophisticated OPTIWIN products. Trade partners are supplied with top-quality, energy-efficient products of passive house standard for a future-oriented, and growing, market sector Licensees and cooperation partners for technology transfer are sought for our further expansion.

The OPTIWIN product range comprises:

- Alu2 wood window
- Zwoa2 wood window
- Alphawin Window
- Solar façade
- Lifting/sliding door
- Parallel slide-tilt element
- Energy-saving door PREMIUM
- Energy-saving door COMFORT
PVS GmbH is a water treatment engineering company producing custom water treatment solutions. With over 40 years of experience, the company is specialized in providing wastewater treatment plants and reverse osmosis desalination plants based on a standardized PVS process and construction design. The technology enables automatic, dynamic and adaptive water treatment.

The standards guarantee high purification results, with minimal operative costs and the smallest footprint attainable. PVS provides either entire plants or equipment, systems and support for wastewater applications (up to 100,000PE) and RO desalination applications up to 20,000m³/d.

Based in Austria, PVS Europe is established worldwide through a global network of local partners.
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Rieder - your full-range supplier from the Tyrol

RIEDER KG is known as an innovative and renowned supplier of high quality wood frame windows and wood frame + aluclad windows. We offer interior doors, back entrance doors and exterior doors, which are custom-made in our cabinet making department.

The name Rieder stands for tradition-consciousness and integrity, combined with high tech and innovation.
A well trained and motivated team ensures highest quality.
Quality for the future - quality for a lifetime

CEMBRA Inc., a New York-based company specialized in flexible design strategies, is a trading partner of the Rieder KG. The firm supplied windows and doors for the first passive house in New York City.
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S.O.L.I.D. is an Austrian solar engineering company specializing in all aspects of large-scale solar thermal energy plants. Since 1992 S.O.L.I.D. has been planning, building, delivering, assembling and operating large-scale solar plants (exceeding 100 m²) around the world, providing hot water, heating rooms, and supplying process heat, including district heating.

S.O.L.I.D. also designs and builds solar chilled water plants, including the largest commercial solar cooling projects currently in operation worldwide. With its unmatched experience in design and operation of large-scale solar plants, S.O.L.I.D. is both a pioneer and one of the world’s leading companies in the solar industry.

S.O.L.I.D. only uses products that conform to the very latest state-of-the-art. The company’s flagship product is the “Gluatmugl-HT” solar collector, which has already won several awards. By offering the most advanced remote control and maintenance systems available, S.O.L.I.D. will, at the customer’s request, assume responsibility for ensuring efficient and optimized operation of the solar plant.

REFERENCES
- Waterworks - Andritz (Austria)
- UWC-Singapore (Singapore)
- Desert Outdoor Center - Phoenix Arizona (USA)
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S.S.T. is a unique Austrian-U.S. based company, manufacturing the leading edge in technology and design for all the worlds PV needs. S.S.T. specializes in PV mounting systems, flat & in-roof solutions, building integrated photovoltaic systems and customized solarthermal systems.

S.S.T. Solar System Technik GmbH produces solar collectors in all shapes and sizes for hot water production, heating support and electricity generation. What makes these collectors special is that they have been developed for integration in roofs or facades and for installation on flat roofs or at ground-level.

The S.S.T. high-performance collectors are produced and delivered as one piece. This keeps heat loss through the frame to a minimum and ensures high efficiency. The collectors can be adapted to suit the requirements of each particular site with 38 standard formats and every kind of custom-made shape to choose from.
Tradition and innovation define SILBER as a brand and company. SILBER windows and doors create interiors made for enjoying a high quality of life.

Our philosophy is built on a tradition of quality, technical precision and understanding customer lifestyles.

SILBER offers true innovation. We set milestones in window construction, combining beauty, functionality and energy efficiency.

SILBER windows and doors stand for individuality, precision and innovation. The company sees tremendous opportunities expanding its highly energy-efficient product solutions through US partners.

SILBER is seeking US architects and dealers with a commitment to distributing high quality window and doors.
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SUNPOR Kunststoff GmbH runs Austria's only production plant for expandable polystyrene (EPS).

This plastic (commonly known as styrofoam) is the basic material for the production of insulation panels for the international construction industry, packaging, as well as products in the field of sport. Properties such as high insulation, moisture resistance and light weight make EPS a versatile insulation and packaging material.

SUNPOR started the production of EPS in 1988 with a capacity of 10,000 tons per year. The company quickly established itself as an innovative EPS designer on the national and international market. SUNPOR produces approximately 170,000 tons of granules every year. 85% of its production is designated for export. SUNPOR employs a staff of 160 people and is a Norwegian O.N. Sunde AS-Oslo company.
Vienna University of Technology Wins U.S. Building Competition “Solar Decathlon 2013”!

Austrian victory in most challenging university competition in the field of sustainable building worldwide

Team Austria from the Vienna University of Technology has won the U.S. Department of Energy Building Competition “Solar Decathlon 2013”.

The first-time U.S. competitor consistently wowed juries with its LISI house, after winning first place in the Communications Contest, tying for second place in Market Appeal, and tying for third place in Engineering. In measured contests, Team Austria received first place in both the Hot Water and Energy Balance contests.

The winner of the Solar Decathlon is the team that best blends affordability, consumer appeal, and design excellence with optimal energy production and maximum efficiency.

A group of Austrian students at the Vienna University of Technology was selected to compete in the Solar Decathlon 2013. The goal of this award-winning program, hosted by the US Department of Energy, is to promote the application of solar technologies in buildings.

Vienna University of Technology loaded its LISI house onto six trucks two weeks ago to begin its journey to Solar Decathlon 2013. After reaching Salzburg, the house was transferred to a freight train headed for Bremerhaven, which is one of the larger cargo ports in Europe. The wooden house then sets sail across the Atlantic, cushioned by moisture-absorbing bags that reduce the risk of component damage.
For 90 years the name Windhager Central Heating has been inseparably linked with boiler technology of the highest quality - "Made in Austria". What started as a small metalworking shop in 1921 is now one of the biggest and most important companies in the industry and one of the leading manufacturers of biomass central heating systems in Europe. In recent years Windhager has above all established a reputation as a specialist for pellet-fired heating systems.

The Windhager product range comprises:

- Pellet boilers with a performance range from 1.5kW to 60kW (180kW in cascade)
- Wood boilers from 9kW to 50kW
- Thermal solar collectors
- Heating controls, hydraulic components, tanks (hot water tanks and accumulator tanks)

And all combined together as a complete system - ALL FROM ONE SOURCE!