

Smart Building.

Efficient and sustainable
solar shading control.



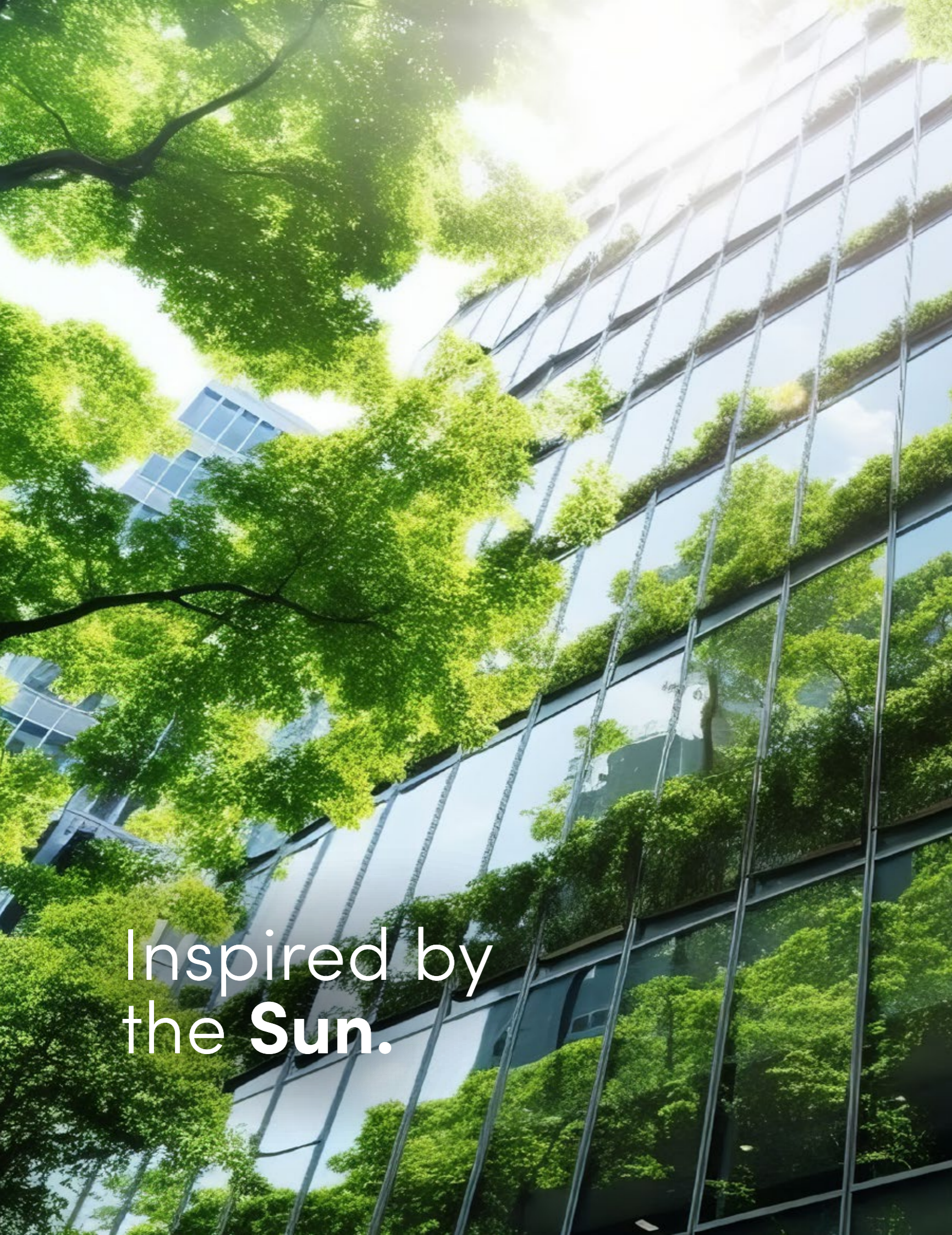
All-in-one solutions.
We make intelligent
solar shading controls.



Saves energy, cuts CO₂.
Smart Building makes
sound business sense.



Swiss Engineering.
Developed and made
in Switzerland.



Inspired by
the **Sun.**

Intelligent solar shading controls re-thought.

Discover all the many benefits of efficient solar shading controls that are totally tailored to your particular needs. Griesser's building automation systems extend to every relevant angle: heating, cooling, energy efficiency and optimizing costs. All in all, they're the fastest way to climate-neutral credentials.

Griesser's control system is part of the building technology in your digitalized building. Sensors placed in all relevant outdoor and indoor areas, combined with smart construction elements, ensure a balanced and comfortable indoor climate at any time of the year and day.



Griesser. Your partner for smart building and more.



50 years of smart building experience.

With over 50 years of experience, Griesser is your partner for smart solar shading controls. And with our extensive expertise and our passion for innovative solutions, we'll help you make your projects a success. Griesser: a specialist since 1882 in forward-looking and sustainable solar shading solutions.



Swiss Engineering.

Put your faith in Swiss quality. With Griesser's Smart Building you'll be choosing from a range of top-quality products all of which we develop and manufacture in Switzerland. Long-term availability, flexible expandability and maximum investment security: Griesser Smart Building offers you all of this and more.



Save energy and cut CO₂.

Smart Building helps minimize your operating costs while ensuring that your property is ably protected from the elements and the damage they can cause. It raises your building's profitability, too, for higher long-term capital returns. And it does all of this will also raising both its sustainability credentials and the comfort of its users.

All-in-one solutions:

- We'll help you
- with your pre-project and tenders
 - with your commissioning with integrators
 - with your energy optimization through shadow calculations
 - with our comprehensive of 15,000 data-sets covering the last 50 years of Swiss building development.

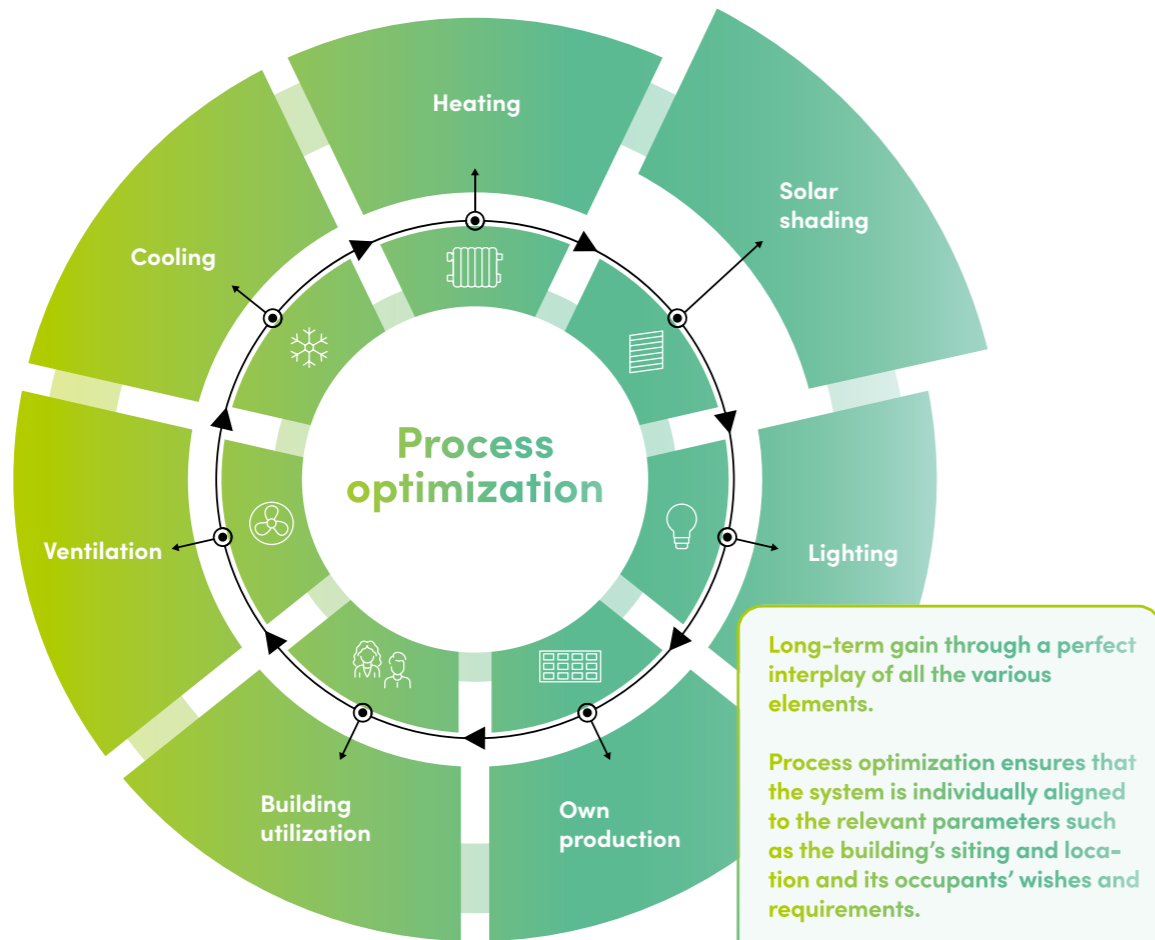
- We provide
- refurbishment concepts
 - binding functional descriptions
 - studies for the placement of wind sensors
 - shadow management with building simulations
 - pre-programming and ex-factory labeling
 - general property-specific diagrams.

- We research
- existing facilities and
 - compatibility to make the planning of your system controls and motors as sound and reliable as it can possibly be



Smart Building systems offer so many benefits.

If you're looking for a forward-looking and sustainable solution for your building automation, you'll find that Griesser's interlinked Smart Building systems offer not just comprehensive automated solar shading but also a full range of further intelligently interlinked components such as security and climate sensors and heating facilities. Griesser's controls all provide transparent system insights, too, to give you full and clear information any time you need it on the current status of all the systems involved.

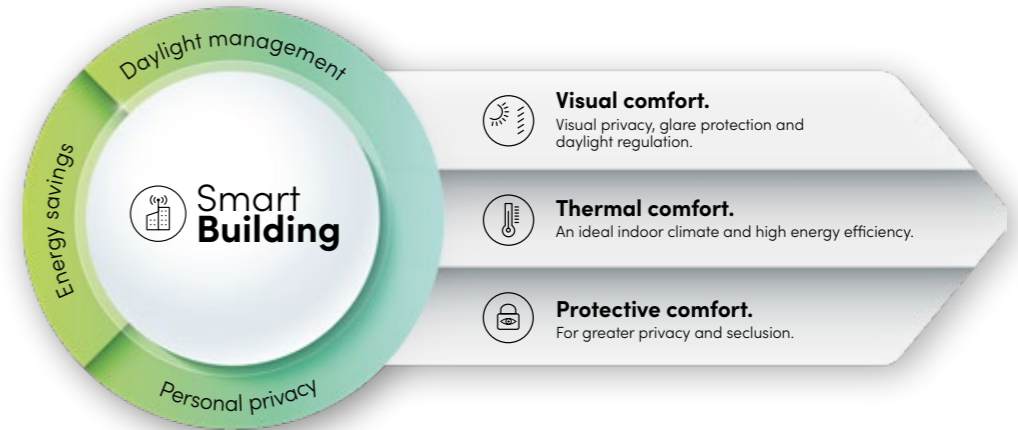


Source of chart: Gebäude Netzwerk Initiative (GNI)

Long-term gain through a perfect interplay of all the various elements.

Process optimization ensures that the system is individually aligned to the relevant parameters such as the building's siting and location and its occupants' wishes and requirements.

The resulting programmed smart controls ensure that the operation of all the building's technical facilities is closely geared to needs. So comfort is enhanced while simultaneously achieving significant energy savings. And as a result of the latter, the investment in such building automation will be rapidly recouped within just a few years.



Daylight management: feelgood temperatures any time of the year

Optimum cooling in summer and only as much heating in winter as is actually required. And all with maximum comfort.

The active slat controls regulate the amounts of light and heat coming into the building. Without such solar shading, a building with large window areas will rapidly heat to over 40°C in the summer months.

Griesser's controls work with the building's sensors to create and maintain a pleasant indoor climate. Heat is prevented from building up, making additional cooling devices unnecessary. The diffuse sunlight, meanwhile, ensure adequate daylight within the rooms, reducing the need for artificial lighting and the energy this requires.

Daylight is essential to our health and well-being. So the users of the building enjoy both pleasant temperatures and agreeable lighting conditions, enabling them to relax and focus on their daily tasks.

The savings on the cooling and lighting energy that would otherwise be used reduce operating costs and raise the sustainability of the building's entire operation.

New build or refurbishment

Build your automated solar shading into your plans right from the start. Along with your thermal insulation and your heating system, it's the best way to achieve optimum energy efficiency.

Energy savings: up to 40%*

Smart automation can help you significantly enhance your building's energy efficiency.

Where does the saving come from?

In summer, the intelligently controlled solar shading keeps rooms cool by blocking the heat, eliminating the need for air-conditioning. During the night, the lower outdoor temperatures, along with open windows and slats, help cool the rooms naturally.

In the winter months, a maximum of heating energy can be saved by leaving the solar shading open during the day and letting the sun warm the rooms. During the night, the building's solar shading can act as further thermal insulation: consistently closing all the building's blinds will reduce the amount of heat that is lost to the colder outside air.

Can these savings be quantified?

Yes, they can. You can save cooling energy in summer and heating energy in winter. And the resulting energy savings average up to 40%, as has been shown in a study that was conducted by the Industrievereinigung Rollladen-Sonnenschutz-Automation (IVRSA).

How are these savings spread through the year?

In the warmer months the solar shading prevents rooms from overheating during the day. The cooling at night is automatically controlled. So the building is kept at optimum temperatures day and night, with no need for any further corrective action.

More discretion at the workplace

Having adequate daylight and the right ambient temperature at the workplace will benefit any worker's performance, stamina and general well-being. They'll help keep them healthy, too.

In office buildings, screen work places the highest demands on light quality, glare protection and privacy at the workstation. Choosing the right automated solar shading ensures a comfortable indoor climate, pleasantly diffused lighting, glare-free computer workstations and protection from unwanted outside views.

well-being in the workplace benefits both employees and the economy

+10%
more productive work in daylight.

+6-12%
more productive work at a workplace with a view outside.

*Source: ES-SO



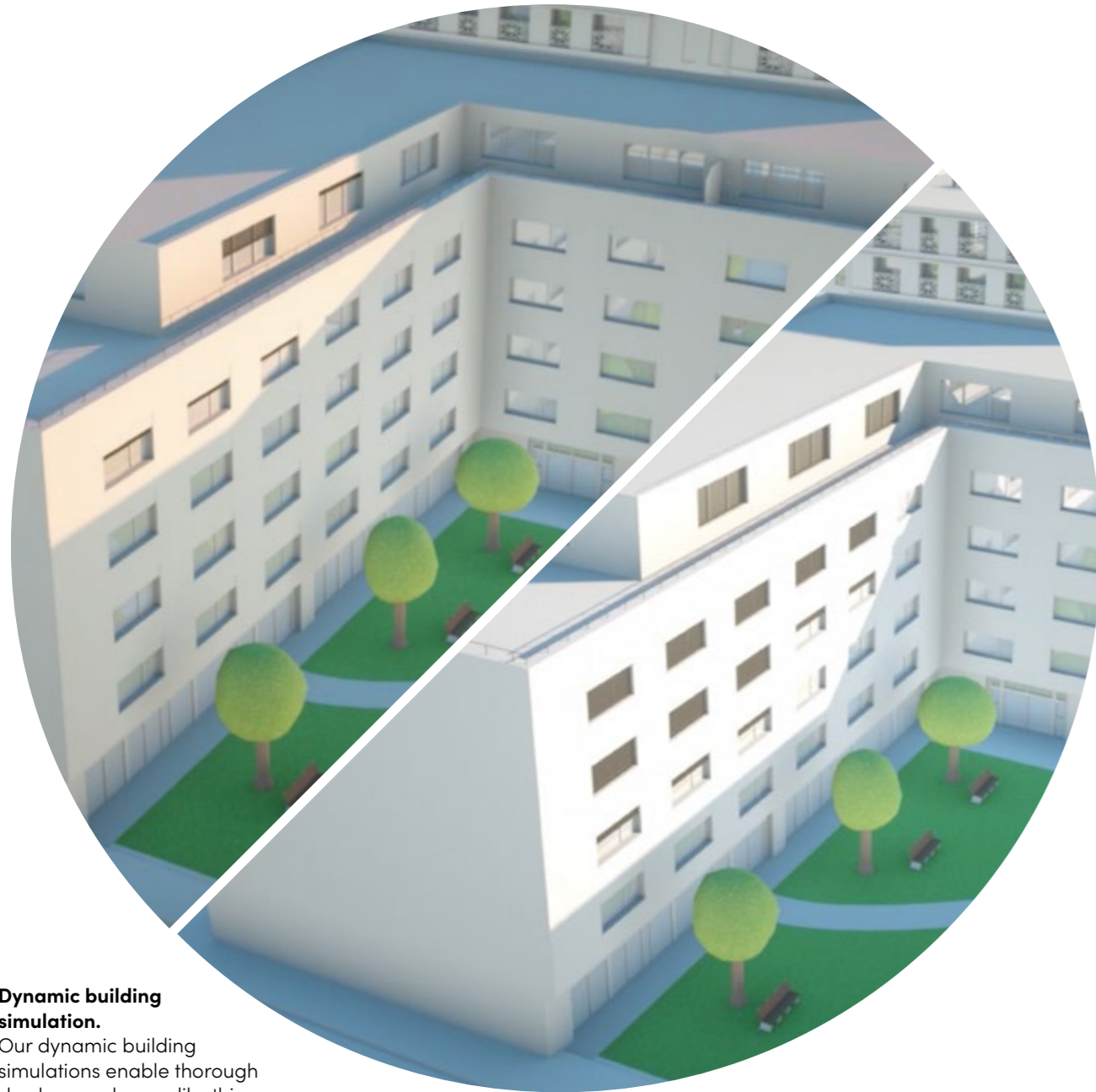
Griesser Smart Building. More comfort, greater sustainability, lower costs.

Questions about Griesser
Smart Building?

We'll be pleased to answer:
automation@griesser.com

Our service.

A process-optimized smart building system.



Dynamic building simulation.

Our dynamic building simulations enable thorough shadow analyses – like this comparison of the shadow cast on December 21 and June 21.

Source: Griesser AG shadow calculations

Sustainability. Today and tomorrow.

In choosing Griesser's Smart Building, you're opting for a quality product range that has been developed and manufactured in Switzerland. With a guarantee of long availability, expansion possibilities and backward compatibility and (thus) sound investment credentials.



Install today.

Griesser's blind control systems blend every aspect of automation with the highest dynamic building simulation. Our dynamic building simulations enable thorough shadow analyses – like this comparison of the shadows cast on December 21 and June 21.

Source: Griesser AG shadow calculations functionality. Installation and activation couldn't be easier. And you can count on us keeping to all agreed budgets and timetables, too.



Expand tomorrow.

Warmth and cold are perceived subjectively, and the way spaces are used is constantly evolving. Griesser control systems offer maximum flexibility: they can be easily customized, expanded, or upgraded to the latest functionality—even after a decade. This ensures long-term investment protection and contributes to sustainability.



Update with the latest functions.

Nobody knows today what normative requirements will apply in the future for the repurposing, sale, or operational optimization of buildings. The software of the new shading control systems is future-proof, as it can be updated at any time. Even large systems with, for example, 500 shades can be brought up to date quickly—even after ten years. This makes building automation not only efficient but also a long-term and sustainable investment.



Investment protection and sustainability through the following services:

- 2-year product warranty
- 10-year spare parts availability from the end of product discontinuation
- 30-year functional safety and backward compatibility



Refurbishment made easy.

Griesser system controls are a guarantee of high backward compatibility. Which means that older blind control systems can be upgraded with a minimum of effort and expense – even gradually, and without modifying the existing electrical installations. The decentralized design of the first Griesser controls, for instance, is still available today, some 50 years later.

Half a century of experience.

We can draw on 50 years of experience in smart antiglare and solar shading solutions.



Detailed building simulations for shadow calculations.

Both existing and projected. And their evaluations are all carefully channeled into the programming of our controls.



Measuring building horizons for shadow management purposes.

The amount of light that falls onto a building will depend on its siting, its alignment and its surroundings. Our controls pay due and full regard to all these factors.



Wind simulations in a wind tunnel or using software.

Griesser uses wind simulations to determine the optimum positioning of its wind sensors – a vital procedure if wind damage is to be avoided and your investment protected.

Expert support for electrical system planners, developers and investors.

Griesser's specialists will support you throughout your tendering and project planning phases:

- assessing existing systems
- devising refurbishment concepts
- supporting your commissioning with integrators
- pre-programming and ex-factory labeling
- binding functional descriptions
- producing general property-specific diagrams
- evaluating third-party motors for shading products
- ensuring due and full compliance with the (Swiss) Minergie and the (French) RE2020, DTU34.4 and BSO norms

Comprehensive service centered on smart solar shading and glare protection.

As a member of the Facility Management and Maintenance Schweiz trade association (FMPRO), Griesser can provide integrated solar shading system care and management packages for buildings of any type or size throughout the system's service life.



A comprehensive service offer.

Our specialists can be there to assist and advise you in your building's construction as early as the planning phase. Be it in the preparation of a project or a tender invitation, we'll answer all the questions from your investors, your developers and your electrical system planners, fully, exhaustively and with our vast expertise. So that your tender invitations are as focused and targeted as they can possibly be.



Have your present system appraised.

Our Griesser experts are well able to assess your existing systems, too. And with more than 15 000 data sets from the past 50 years, we have access to archived building-specific information, too.



How to save on refurbishment costs.

Griesser control products can also be used to control an existing system using the sun blinds and components that are already installed. All of which means that high extra restoration costs can be largely avoided. With a refurbishment concept that's been co-devised with Griesser, you're truly optimally prepared.



Simulations for clarity.

The building simulations conducted by Griesser's specialists can provide a wealth of detailed information on both existing and new projects:

- the placement of wind sensors to avoid wind damage
- shadow calculations to develop optimal programming solutions
- building horizons to determine the sun's passage throughout the year
- energy efficiency and savings potential in the building's management.



Our specialists will help you get everything up and running.

From pre-programming via ex-factory labeling to the provision of general property-specific diagrams: when it comes to putting your building control system into operation, take advantage of Griesser's specialists in the field and their expert but ever-friendly advice.

Let dynamic planning services help optimize your costs.

Many construction projects don't proceed as planned because static and not dynamic calculations are used from their building simulations. Which is why Griesser will always provide you with sound data sourced from its dynamic planning services.



Solid measurement data.

With the dynamic building simulation models that Griesser's specialists provide you with, you'll see the complete sun path and the resulting shadow patterns around your building.



Your benefit: avoiding oversizing.

So often when a building is planned or refurbished, the various trades and crafts involved are each considered in isolation. And since additional security needs to be built into the program for each of these components, the resulting overlaps can end up oversizing the building's technical systems. This in turn makes the building's operation inefficient, and may demand unnecessarily high investments. With our comprehensive simulations, such overlaps can be eliminated in the early pre-tender project phase, to keep the associated costs healthily under control.



Discover the dynamic building simulation of Griesser.

The many and varied benefits of Griesser's automated controls.

Griesser has the perfect automatic control solution for any size of building from a single-family house to a large building complex. Just choose from our vast range of options, tailored to meet your specific needs, from simple radio systems to sophisticated all-in systems with solar shading solutions that are ultra-easy and highly intuitive to use.

Energy savings - all year round



Solar tracking

Your need: To make optimum use of natural light, without the glare or the overheating that direct sunlight can cause, while simultaneously raising both your comfort and your energy efficiency.
Our solution: With our Griesser system controls, your venetian blinds will automatically angle their slats in response to the position of the sun, to deliver optimum daylight while protecting the interior from either excessive heat or heat loss, depending on the time of year.



Shadow calculations

Your need: To ensure that only those parts of the building get shaded that are actually exposed to the sun.
Our solution: Griesser's shadow calculations ensure that only those sections of your building facades are shaded which receive direct sunlight. The result: energy-efficient solar shading that avoids unnecessary shading, helps make more efficient use of the solar shading system and lets in more daylight, too.



Protection from heat through efficient use of light

Your need: To keep your rooms cool even while the sun is shining in while simultaneously making as much use as possible of natural light, to effect energy savings.
Our solution: Our sun tracking and shadow calculations will help keep your rooms optimally protected from the heat without having to make use of artificial lighting. The result: energy savings of up to 40%.

Discretion



Local use with restrictions

Your need: A user-friendly system that just can't be misused – a restricted use feature that will let you operate your blinds manually up to a certain point, to maximize your comfort and protect your building from the elements.
Our solution: Our controls are programmed to ensure that the blinds cannot be extended beyond a critical point, to avoid unnecessary overheating or damage from frost.



Automation override

Your need: You want the flexibility to switch between automatic control and manual operation to adjust your shading products individually, without compromising room comfort or the protection of the shades?
Our solution: The automatic lock function allows you to temporarily pause the automated shading and make manual adjustments – discreetly tailored to the current situation and your specific needs.



Heat protection with lock function

Your need: To ensure that your blinds aren't accidentally positioned in such a way that they let in too much sunlight and also leave your rooms otherwise overexposed.
Our solution: A blocking function which prevents the blinds from being placed in a position that lets in direct sunlight. Which keeps your interiors safe from both excessive heating and unwanted outside eyes.

Daylight management



Automatic shading

Your need: A smart shading solution that responds automatically to weather conditions and the position of the sun to keep your rooms protected from glare while still allowing adequate daylight in.

Our solution: With their centralized sensors, our sophisticated system controls will automatically adjust your shading to deliver the brightness desired without making the rooms unnecessarily dark. So your rooms always enjoy optimum natural daylight to provide a productive living environment.



Limit-of-travel detection for blinds without operating position

Your need: Precise controls that won't automatically darken the rooms completely.

Our solution: With our limit-of-travel detection, your slats will immediately open up again once your blind has reached the limit of its deployment. So the rooms are rapidly back in daylight, but without too much direct or glaring sunlight.



Limit-of-travel detection for blinds with operating position

Your need: Convenient controls that will precisely detect and stop at the top and bottom limits of travel and any special operating position.

Our solution: Griesser's controls with operating position enable you to set your blinds in an optimum position for shading or daylight incursion without totally closing or opening the slats. Which means minimum blind travel time, minimum noise and maximum daylight management.



Automatic sun control for protection from the heat

Your need: To ensure that your rooms are protected from overheating by incoming sunlight without having to manually intervene.

Our solution: Our heat protection function activates an automatic sun control as soon as the temperature in a room or the outside temperature exceeds a certain value. So your rooms stay cool yet still receives optimum natural daylight.

Investment and product protection



Automatic wind protection

Your need: You are looking for automatic protection against strong winds or gusts to prevent costly repairs, support the durability of your shades and ensure high availability at the same time.

Our solution: Griesser's automatic wind protection will move your blinds to a safe position in good time before they can be damaged by any wind on the building's facade.



Precipitation detection

Your need: Your solar shading system's ability to respond automatically to rain or snow, to prevent moisture damage.

Our solution: Griesser's precipitation sensor will automatically place your solar shading system in a safe closed position in the event of rain or snow, to protect its more sensitive elements such as aluminum or fabric components.



Protection from frost

Your need: A feature that will automatically protect your solar shading system in frosty temperatures.

Our solution: Griesser's automated frost protection detects low temperatures in which ice may form and automatically moves your blinds into a safe position.



Protection from hail

Your need: You want to ensure that your shading products are protected from hail without having to intervene manually?

Our solution: Our Griesser controls will automatically retract your blinds whenever a hail warning is issued online, and will then return to their predefined position once the danger has passed.



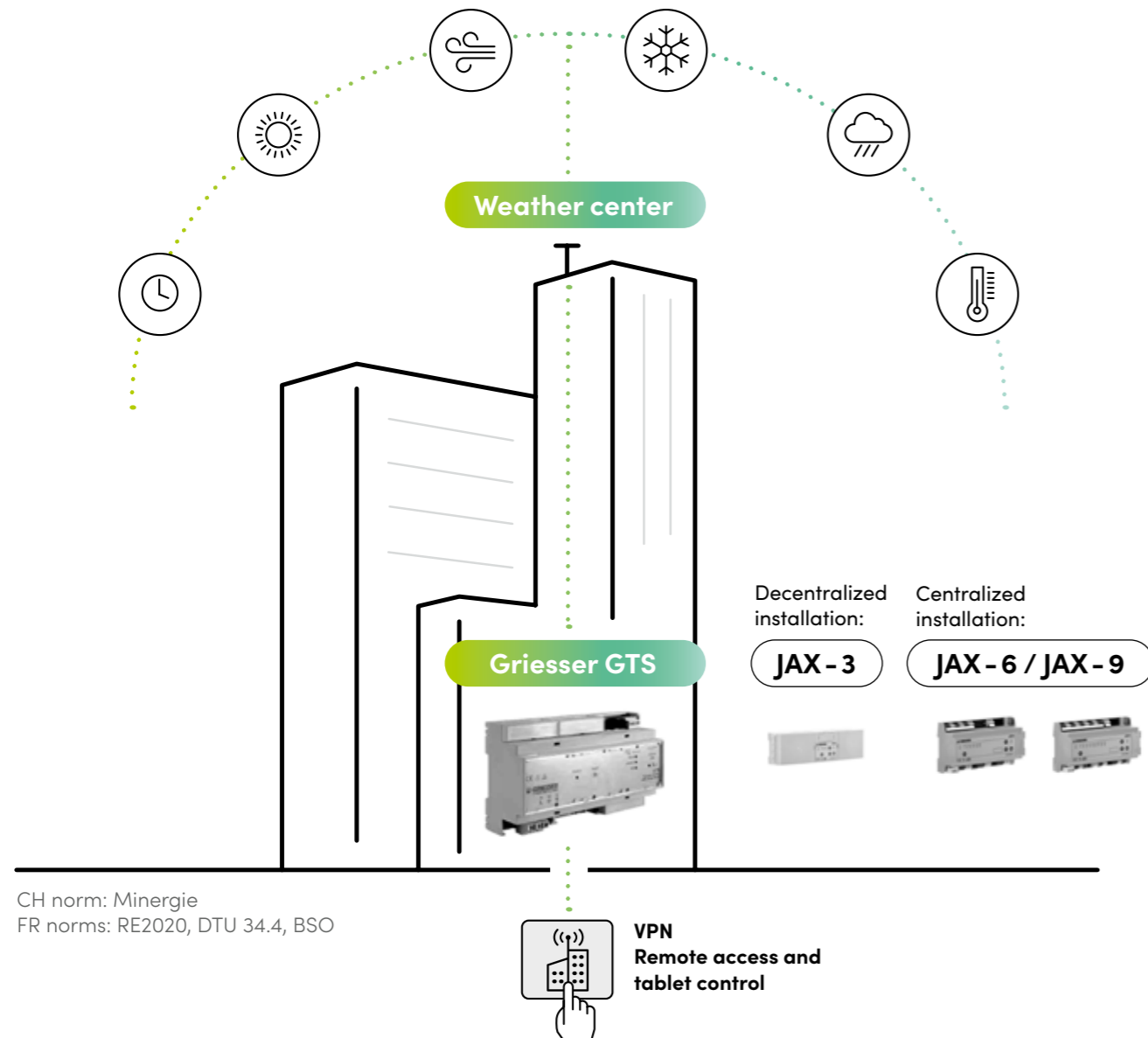
Protection from heat

Your need: To protect your solar shading system from the heat damage that can be caused by strong sunlight.

Our solution: Thanks to the heat protection feature in our Griesser controls, your blinds will move automatically into a position that will protect your building's interior from the heat.

KNX – the smart system for building automation.

KNX is the leading standard worldwide for smart and interoperable building automation. Be it for heating, blinds, lighting or security systems, KNX combines all the key functions of a building today and makes them all controllable from one central source. Which makes KNX a byword for comfort, flexibility and energy efficiency in your construction planning.



CH norm: Minergie
FR norms: RE2020, DTU 34.4, BSO

For electrical system planners

As an electrical system planner, you can use the Griesser product range* to develop carefully tailored solutions for any building project, by taking full advantage of our flexible and non-proprietary system. Our standardized technology ensures simple installation while delivering maximum reliability. In choosing Griesser you are opting for a future-proof platform that can be effortlessly modified to meet changed or changing demands. An ideal tool, in other words, for projects simple and complex, large and small.

Your benefits as an electrical system planner:

- Sustainable and efficient: energy savings through smart controls
- Scalable and flexible: integration of a wide range of structural forms
- Maintenance-friendly: simple to modify or expand
- Excellent for creating tender texts or functional descriptions

For architects

You, as an Architect, play a key role in smart building design. The Griesser product range offers you the ability to develop innovative design-driven solutions that will raise both comfort and functionality for the users concerned. Be it in residential or commercial applications, the Griesser range is suited to every architectural style, and particularly to sustainable construction. And with its strong system flexibility, it enables you to devise creative and forward-looking spatial concepts while still maintaining the highest aesthetic aspirations.

Your benefits as an architect:

- Boundless integration: the Griesser range is suited to any architectural vision
- Design and functionality: smart technologies can be easily incorporated into your design
- Sustainability: higher energy efficiency for sustainable building projects
- Discreet and barely visible sensor technology

For investors

For investors the Griesser range offers long-term cost savings and high investment security. Griesser's standards are a guarantee of high energy efficiency and, as a result, lower operating costs. This in turn ensure that your investment is more rapidly recouped. At the same time, the integration of such smart technologies enhances the property's value, because buildings which feature the Griesser product range are better future-proofed and are attractive to renters and buyers alike.

Your benefits as an investor:

- Profitability: energy savings for lower operating costs
- Rapid capital returns: investing in our systems will soon recoup the expense
- Continued availability for at least 10 years (see Page 11)
- Value enhancement: smart building automation helps retain property value and raise aesthetic appeal.

For facility managers

As a facility manager, you can enhance the benefits with our systems, which simplify and optimize building operations. Our centralized controls allow you to efficiently capture, manage and monitor all the needs described on pages 14 and 15. This saves time, reduces maintenance efforts and improves operational safety. At the same time, continuous monitoring and adjustment of parameters sustainably lower energy consumption.

Your benefits as a facility manager:

- Central control: for the simple management of all building functions
- More efficient maintenance: prompt failure identification and automated alerts facilitate operations
- Energy optimization through continuous monitoring activities

Griesser systems in practice

KNX is used in a wide range of types of buildings from private houses to office blocks and large industrial premises. Whether you are an electrical system planner, an architect, a financial investor or a facility manager, KNX offers you sustainable tailored solutions for the buildings of today. Take full and fruitful advantage of a system that not only meets all the needs of today but is assured to keep pace with the technologies of tomorrow.

Team up with Griesser and discover the future of building automation, and make your building smart, efficient and a sound and stable investment.

*KNX: CH, EU – gBUS: CH – EasyTec: EU

The Griesser KNX Academy.

Discover KNX in all its full potential.

The KNX Academy offers you comprehensive expertise that is specially tailored to installing and programming solar shading systems. As an Academy Attendee, you'll acquire all the knowledge and the skills you need to get your automated shading and safety systems faultlessly up and running. The KNX courses at the Griesser Academy focus on the following relevant functions:

Automated shading systems

Function: Automated blind control in response to light and weather conditions, to ensure maximum indoor comfort at all times.

Course focus: Attendees will learn how to use the Griesser KNX weather control center and the blind actuators to program a precise and reliable automated shading functionality and integrate this into the overall system.

Automated safety systems (for wind, precipitation and frost)

Function: Protection of your solar shading systems via automated system responses to weather conditions such as wind, rain or frost (and fire) to avoid system damage.

Course focus: The course covers the installation and programming of system safety functions which are designed to ensure that your solar shading systems are automatically brought into safe positions in the event of extreme weather conditions.

Priority management and integrated room automation

Function: Blind control combined with other building automation systems, with due regard to priorities such as solar shading, energy savings and system safety needs.

Course focus: This advanced course shows participants how to take advantage of high-value functions of their solar shading systems and set appropriate priorities to ensure optimum efficiency in their room automation.



Become an expert yourself.

At our Griesser KNX Academy you'll acquire an expertise which is as practice-oriented as possible in installing and programming your solar shading systems. And you'll become an expert yourself in automated shading and safety systems, complete with an official certification.

Register* at:
automation@griesser.com

*KNX Academy courses currently available in Switzerland and upon individual agreement.



Our success stories.

Griesser Smart Building in successful use.



Fenaco Cooperative, Switzerland

Fenaco's «Prisma» building in Puidoux has achieved heating energy savings of 50% while simultaneously substantially enhancing comfort for its users, including a 10% reduction in indoor temperatures in summer without air-conditioning. The improvements were achieved by analyzing two years of its weather control center's solar radiation data and using the findings to effect natural cooling using a combination of Griesser's automated solar shading solutions and air circulation via the building's skylights.



ENS Paris-Saclay, France

In 2020, ENS Cachan moved to the ultra-modern Paris-Saclay campus, designed by Renzo Piano. This site, focused on energy efficiency and comfort, includes 60 electric actuators for the glass roof, 1,200 motorized vents for natural ventilation, and 3,200 facade blinds for precise control of light and climate. Five solar protection systems, managed by weather stations and KNX controls developed by Griesser, ensure optimal management. This technological synergy guarantees maximum performance and superior comfort.



Ferme Urbaine d'Europe, France

The roof of Pavilion 6 in Paris's Porte de Versailles exhibition park is home to «Nature Urbaine» Europe's biggest urban roof farm, which sustainably produces fruit and vegetables over an area of some 12,000 square meters. A precise solar shading system managed by Griesser's KNX technology ensures optimum light and heating conditions for the farm's greenhouses to boost product yields. The project deftly blends green architecture, state-of-the-art technologies and an efficient circular system to deliver ecofriendly agriculture.



Inselspital, Bern, Switzerland

The new main building, Anna-Seiler-Haus, is being constructed to the Minergie-P-Eco standard and is distinguished by advanced building automation that combines maximum energy efficiency with optimal patient comfort. The innovative KNX system by Griesser ensures intelligent and effective control of sun protection. Various sensors enable precise regulation and dynamic adjustments to external conditions. This intelligent networking creates a forward-looking environment for health and innovation.



« In shading automation, the details can swiftly get complex. But neat and effective solutions can still be found if all the products required are sourced from the same manufacturer. That's why, whenever possible, we use Swiss-based suppliers like Griesser with their good support contacts. If we have an issue with one of our facilities, we can promptly get in touch with them and find a swift resolution, so that we can adequately meet both our energy and our user needs – which also extend to open system bus/interoperability, high spares availability, long life cycles, firmware updatability and top product quality. »

Thomas Roth
Executive Board,
Maneth Stiefel AG, Zurich



« Partnership is vital if shared goals are to be successfully and sustainably pursued. And a good partnership will generate confidence and trust, along with sound communications, planning security and schedule reliability. That's what we get in our daily work with Griesser, together with enhanced quality, good cost control and a strong customer relationship. The benefit of Swiss-made solar shading control systems to me is that the product has been developed and manufactured in the same region where it will be deployed. So it's sure to be well tailored to the needs it should meet and the functions it should perform. Plus, as further benefits, it will involve shorter transport journeys and come with more efficient support. »

Neven Trsinski
CEO,
igi AG, Schaffhausen

A perfect interplay.

Smart building automation manages all the various elements.

Solar shading center (FMX), weather center (EMX), motor controls (JAX), remote maintenance (GTS) and operation.



Solar shading center.

Weather sensors record the latest meteorological data, which are processed via comfort and protection functions in the weather station. Be it simple control functions or complex solar shading automation, everything can be swiftly and easily installed and set up.

Investment security

- Wind protection
- Rain protection
- Frost protection

Comfort

- Solar tracking
- Visual protection
- Heat protection
- Glare protection



Motor controls.

The blind actuators can be used for any common motors with two or three limit switches and comfort drives. Thanks to their sophisticated limit-of-travel detection, they can be used to optimally control any facade product.

- Automatic travel-time measurement
- Limit-of-travel detection
- Local control
- Binary inputs
- For all 230 V motors

Operation

The entire system can be operated from a single device via touch panel and visualization. It can also be operated via expandable radio control.

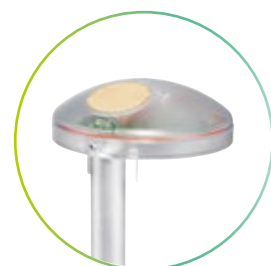


Remote maintenance.

The Griesser Terminal Server (GTS) connects the Griesser LINK via Ethernet or TCP/IP to permit remote access to the solar shading center.

This enables the system's solar shading controls to be read and configured and events to be documented via internet or intranet connection, all supported with the FlexTool software.

Users can access the system from anywhere and at any time. And the GTS further permits the system's controls to be linked to third-party systems via a Modbus/ TCP interface to communicate with the overall building control system.



EMX-8 Weather station.

The device combines time recording and sensors for global radiation, brightness, wind strength, precipitation and temperatures in one single unit.



WHX Sun/brightness sensor.

Records wind speed and quadruple brightness, and sends its measurement data to the solar shading center.



WH360 Combination sensor.

Is mounted directly on the facade to provide precise local weather data that are processed and evaluated in the weather center.

Our control systems at a glance.

KNX

Griesser's KNX system is ideal for interlinking heating, ventilation, air-conditioning, lighting and safety systems. In addition to its benefits to users in comfort terms, KNX offers significant energy savings potential.

Countries
CH + EU

●●●●●
Daylight management

●●●●●
Cooling / heating

●●●●●
Investment protection

●●●●●
Interlinking

●●●●●
Comfort

●●●●●
Visualization

gBUS

Griesser gBUS is a classic blind control system that delivers high functionality, substantial energy efficiency, extensive comfort and optimum solar shading.

Countries
CH

●●●●●
Daylight management

●●●●○
Cooling / heating

●●●●●
Investment protection

●●●○○
Interlinking

●●●●●
Comfort

●●●○○
Visualization

EasyTec

Griesser's EasyTec controls provide all the functions required to ensure high investment security while providing maximum user comfort.

Countries
EU

●●●○○
Daylight management

●●●○○
Cooling / heating

●●●○○
Investment protection

●○○○○
Interlinking

●●○○○
Comfort

●○○○○
Visualization

Application.

Installation situations.



Centralized installation.

Advantages: Simplifies maintenance, future updates and modifications, because all devices are in one central location. It also permits efficient overall control and enhanced security via centralized protective measures.

Disadvantages: Requires a larger distribution box and extensive wiring, which may increase installation costs.



Decentralized installation in false floors or ceilings

Advantages: Fewer main cables, which reduces wiring costs and simplifies installation. More flexible and more scalable, because the devices are installed closer to their point of use.

Disadvantages: May require more control devices in each zone, and may also entail decentralized maintenance points, which can complicate overall system management.

Sustainable solar shading and weather protection solutions from Griesser.

Pioneering since 1882.

Griesser offers smart and technologically pioneering solar shading and weather protection solutions which, with their high functionality, their outstanding quality and their strong aesthetic appeal, enhance quality of life. The Swiss-based family firm blends a pioneering spirit with sustainable actions and activities, and delivers innovative ideas for the world of tomorrow. With its decades of experience in its specialist fields, Griesser has a thorough understanding and a keen appreciation of architecture, and develops the best possible products for its clients' specific wishes and needs.

As a leading European manufacturer, Griesser guarantees its clients outstanding service and high reliability.

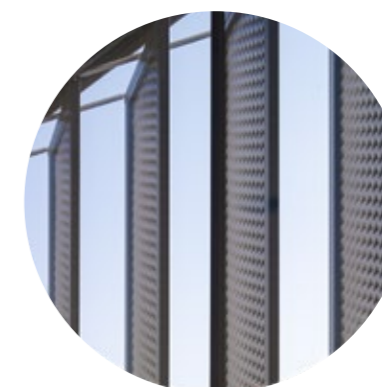
Griesser's solar shading and weather protection solutions are an ideal complement to the Smart Building product.



Venetian blinds.
For flexible sunlight control.



Facade awnings.
Lightweight yet robust in winds of up to 92 km/h.



Window shutters.
Widest model range: long-lasting and easy to maintain.

Intelligent solar shading in hospital environments – Stadtspital Triemli, Zurich.

At Stadtspital Triemli, high requirements for comfort, energy efficiency and operational reliability meet intelligent building automation.

Griesser's solar shading control ensures a stable indoor climate – dynamically adapted to usage, time of day and weather conditions, based on solid planning and simulation data.

Opened in 2016, the hospital building sets new standards as a Minergie-P-Eco facility in integrated building design.

Already during the planning phase, aerodynamic analyses and simulation-based studies on wind impact and shading control were conducted. These form the basis for a precisely coordinated control concept.

The combination of Lamisol® external venetian blinds and a KNX-based control system enables dynamic regulation of daylight, glare protection and thermal comfort. Sensors continuously capture environmental and weather data and control shading in line with the sun's path.

This prevents overheating in summer while reducing the need for artificial cooling. In winter, the targeted use of solar radiation supports the building's energy efficiency – ensuring stable and economical operation.

Project

Stadtspital Triemli, Zurich

Architecture

Aeschlimann Hasler Partner
Architekten AG

Client

City of Zurich

Planning & simulation

Aerodynamic analysis (AFC
Bauklimatik) and tender BKP 237

Solar shading solution

Lamisol® external venetian
blinds

Control

KNX-based solar shading
control

Standard

Minergie-P-Eco



Discover the dynamic
building simulation of
Griesser.



Inspired by the **Sun.**

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