

With SIEGENIA you produce

# room comfort<sup>3</sup>

SIEGENIA complete brochure for  
fabricators, distributors and specialists.



Window systems

Door systems

Comfort systems

Experience  
room comfort.  
We bring spaces  
to life.





### **For the room comfort of the future.**

Our products and solutions bring spaces to life and give people a sense of well-being. This is our drive and inspiration but also the key to permanent success together with our customers.

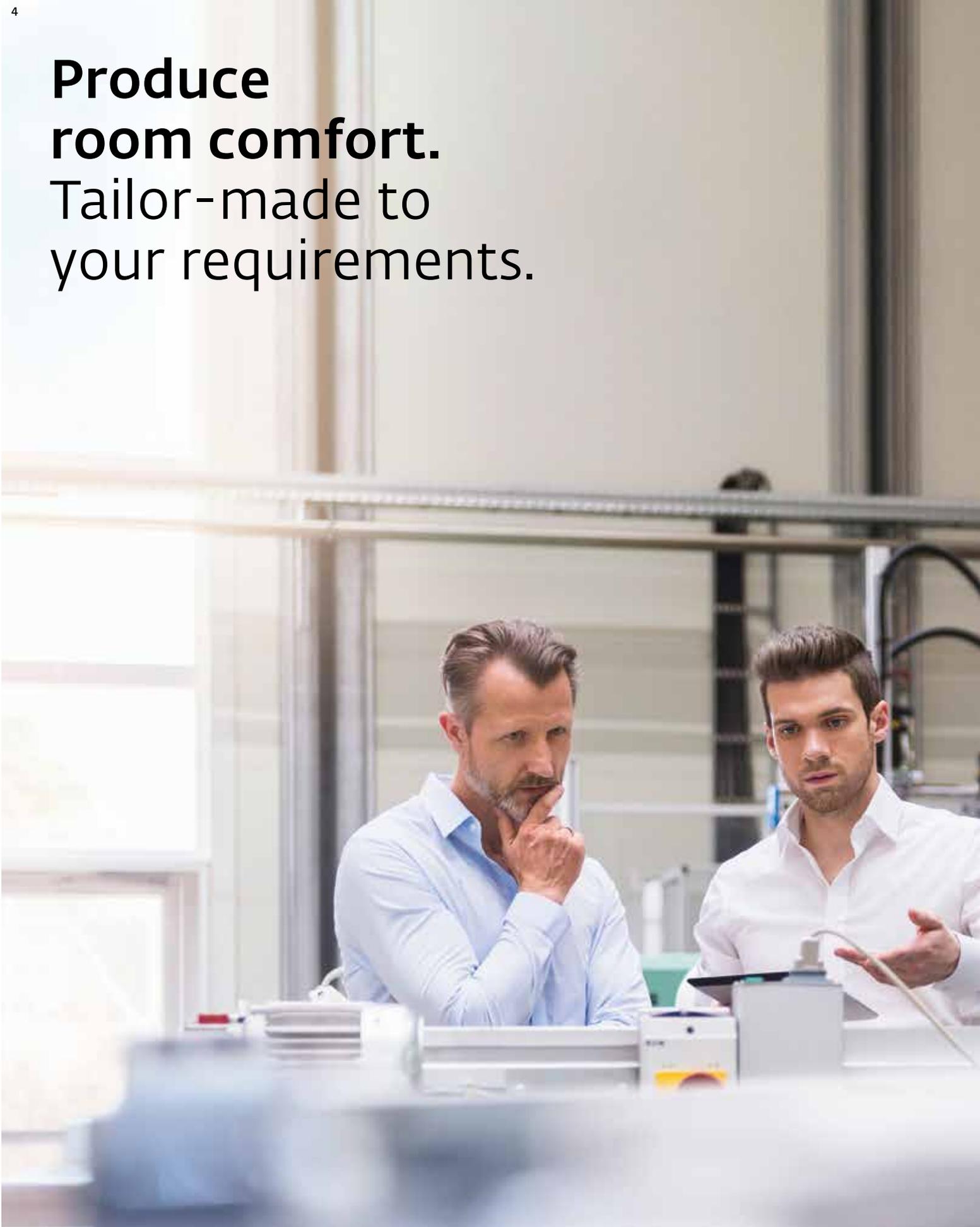
Our instinct for the requirements of the market, the developments of the future and for the demands of our customers has made us one of the leading international innovation providers today. We owe this to a staff of more than 2,800 in around 80 countries and to the intensive exchange of ideas with our partners and customers.

### **More than 100 years of experience.**

As a German family enterprise, for four generations now we have been developing future-oriented systems, which make your life easier in your everyday fabricating processes, and providing your customers with the security that comes with creating a home or a modern working environment out of four walls. You can experience this vision of room comfort for yourself in our showroom. Even if we didn't call it "room comfort" before: we have been working on this for over 100 years.

**SIEGENIA®**  
brings spaces to life

**Produce  
room comfort.**  
Tailor-made to  
your requirements.





### **More solution diversity from one single source.**

With the complete hardware spectrum for windows, doors or sliding doors as well as modern ventilation and building technology you can easily obtain everything from one source from the SIEGENIA GROUP: in stringently tested quality, for all materials and opening types and with numerous innovations. To offer you more options and your customers more room comfort, we deliver not only individual modules but perfectly coordinated systems for the living and working environment of tomorrow. This way all important room functions in the system work together and the comfort is created that brings spaces to life.

### **More flexibility and cost-effectiveness.**

SIEGENIA window, door and comfort systems are not only tailored to your customers, but also tailored to your requirements. Our entire performance spectrum is based on a clever modular system that will also set standards in scalability and efficiency in the future in order to keep your expenditure low and your possibilities high. In this way, you can enhance your lead in the competition due to fewer components, a high degree of pre-assembly and freely combinable product families.

### **Customised services.**

It is often minor details that make such a decisive difference in practice. With SIEGENIA, you have a partner who pays attention to every detail and who is aware of your everyday requirements better than anyone else. For this reason, we have pooled our product systems together perfectly with our complete know-how for you: in service packages that provide precise advice, information or on-site support. Whether this is for your production, training your staff, your marketing or with professional on-site services for your customers: we are there for you!

# Plan room comfort. You can build on this.



## More planning quality with room comfort.

Our high-quality hardware, ventilation and building technology not only provides the building blocks for modern living and room concepts, but also well-coordinated systems. Because only when all room functions work together as one system can a room truly become a living space.

With SIEGENIA you have the freedom to create the comfort that brings spaces to life: room comfort.

## Extensive support.

We want to support you with qualified consultation and services. Our team of project consultants and application technicians as well as the corresponding data technology and software are at your disposal for this purpose.



[architekten.siegenia.com](http://architekten.siegenia.com)

# The complete SIEGENIA range

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# Window systems

Innovative hardware systems for timber, PVC and aluminium windows.



It is not only the people we share our home with that make a home out of four walls. It is also the interaction of many technical aspects that provide more security, ease, light and fresh air. Because the individual room functions and the overall room feeling are the decisive factors for how well our living space suits us. For example, windows with integrated ventilation and monitoring technology or drives that can be operated via app enable the comfort that brings spaces to life: Room comfort.

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## TITAN

### The trailblazing hardware system for more flexibility and cost-effectiveness.

With the TITAN hardware system for timber, timber-aluminium or PVC windows, you are ideally positioned to be especially flexible, productive and successful both now and in the future. Whether this applies to conventional hardware assembly or to production of pre-weld profile bars: TITAN offers all options for individual scalability in the wide range of window and opening types in order to be able to react to special project requirements or market changes. With its maximum solution diversity with a minimum number of components, its high degree of pre-assembly and its optimal adjustment options, TITAN ensures lean logistics and the easiest fabrication.



#### Benefits

- Reduced installation time thanks to numerous product improvements
- Assembly on pre-assembled profiles is possible
- Sophisticated logistics to increase efficiency and profitability
- High-quality materials, efficient workability and high functionality
- Window elements available up to resistance class 3
- Simple assembly of hardware and window elements
- Surface-mounted or concealed hinge sides
- A good choice for home owners, too, thanks to the many practical benefits
- Custom designs are made possible thanks to a wide range of products



#### Comfort mushroom cam

- Effective system structure up to RC4
- Efficient height adjustment: even for very high night vents
- Continuously compensates high tolerances and retains the position automatically
- For a locking system that is optimally adjusted at all times
- Fewer components, less adjustment effort

#### Frame parts

- Sturdy frame parts that are optimally coordinated with the comfort mushroom cam
- For consistent burglar resistance with durable, high ease of use and optimum sealing
- Security strikers and tilt-lock bearings with individualised logoclip: can be ordered separately or pre-assembled
- Optimised standard strikers made of a steel-PVC combination

#### Accessories

- Comfort stay for mechanical locking support from the tilt position
- Secured night vent TITAN vent secure: RC2 certified tilt night vent
- Further easily integrated additional and accessory parts like sash lifter, sash brake and snapper

## TITAN axxent 24<sup>+</sup>

The new generation of concealed hardware.

With the axxent fittings programme, we offer a new generation of concealed products that support the clear design and clean lines characteristic of modern architecture with generously dimensioned window areas and narrow frame widths. In axxent, powerful design meets powerful technology. Sophisticated design, high-strength materials, a select combination of materials and the latest assembly technology make our new TITAN axxent 24+ so simple, robust, wear-resistant and functionally reliable like no other comparable hinge side ever before. In other words: forget about any preconceptions you may have about concealed hardware!



### Benefits

- For timber and timber-aluminium profiles with a minimum 24 mm rebate depth, as well as for PVC profiles and aluminium systems with a 16 mm fittings groove
- High load-bearing capacity up to 150 kg without additional parts
- Continuous pressure adjustment on the upper and lower pivot for optimal sealing
- The sash is easy to fit in the tilt or slightly opened position
- Optimally accessible 3D adjustment
- Its compact design makes it ideal for windows with small dimensions
- Lower warehousing costs and faster assembly due to fewer components
- Faster installation in building projects
- The bottom hinge is kept clean thanks to an attractive cover cap

## ALU axxent PLUS

### Set an invisible axxent.

SIEGENIA offers the perfect solution for design-oriented room concepts with the new ALU axxent PLUS. All hardware components are integrated in the window profile and fully concealed. Large and heavy window elements can move safely and consistently due to its high load capacity. Supplemented by the ALU GLOBE RR design handle, the window design is reduced to the bare essentials. Enjoy optimised production processes thanks to the significantly reduced number of individual components and the high level of pre-assembly based on clamp-on compact components. The ALU axxent PLUS can be combined with the universal range of accessories from the entire ALU system. We can satisfy virtually all customer requests, from rose-free handles to burglar resistance up to RC3 with integrated electronic lock monitoring system.



#### Benefits

- A high load-bearing capacity of up to 150 kg without additional load-bearing rods for turn-only, turn and tilt and tilt-only windows
- Concealed pivots support the achievement of narrow profile views and generate the greatest possible freedom of colour for window design
- Also suitable for extremely narrow window widths of only 210 mm in turning sashes and 380 mm in turn-and-tilt sashes
- Large opening angle of 110° in the turning position
- Anti-slam device for the stay in the tilted position
- Quick assembly using clamp-on compact components and a high degree of pre-assembly
- The 3D adjustability supports the easy installation of the window elements in the building

## ALU 2200/5100/5200

### The truly universal hardware system.

The ALU 2200 hardware has been specifically developed for smaller sash dimensions and sash weights up to 80 kg. As a fully-fledged member of the ALU product family, it naturally offers all the benefits of the ALU range.

The ALU 5100 bears sash weights up to 100 kg. It also forgives installation inaccuracies thanks to the integrated side adjustment.

The ALU 5200 scores in terms of design, a high load-bearing capacity up to 170 kg and low wear and tear, therefore extending the range of application for clampable hardware solutions in the construction industry.

#### Benefits

- Pre-assembled component system for efficient assembly and warehousing
- Hardware can be used DIN right or left
- 3D adjustability for compensation of production and assembly tolerances and simple maintenance
- Anti-corrosive materials ensure that the surface is protected long-term
- Available in wide range of RAL colours
- Comprehensive range of accessories can be freely combined



#### ALU 2200

Up to 80 kg sash weight

- The perfect entry into the complete ALU hardware range
- Can be integrated into the modular ALU assembly system

#### ALU 5100

Up to 100 kg sash weight

- With integrated lateral adjustment top and bottom
- Simple installation of the sash
- Sturdy appearance

#### ALU 5200

Up to 170 kg sash weight

- The all-rounder in the family of ALU hardware products
- From standard applications to custom designs and ultimate operating conditions
- With integrated lateral adjustment top and bottom
- Simple installation of the sash
- Sturdy appearance
- Specifically developed for optimised production processes and optimal production logistics

## ALU 300 D/ALU 200

### Load-bearing hardware solutions for large-area glazing.

Expansive glass facades are the current trend, but also increase the weight of the structure. This is an exceptional challenge for the load-bearing capacity of the hardware but one which our designers were happy to tackle. The result is impressive: sash widths of up to 1,500 mm, matched with heights up to 2,800 mm and permissible sash weights of up to 300 kg.

The ALU 300 D is designed for turn-only sashes weighing up to 300 kg. The ALU 200 is designed for turn and tilt windows with weights of up to 200 kg. Both feature highly flexible adjustment options and an extensive range of accessories.



#### Benefits

- Product-compatible modular system ensures efficient logistics
- Comprehensive range of accessories
- Ideally suited for sound-proofing, thermal insulation and burglar resistance

#### ALU 300 D

Up to 300 kg sash weight

- Turn-only opening variant
- Variable height adjustment
- Also available as barrier-free solution in accordance with DIN 18040

#### ALU 200

Up to 200 kg sash weight

- Turn and tilt and tilt-before-turn opening variants
- Variable height and lateral adjustment

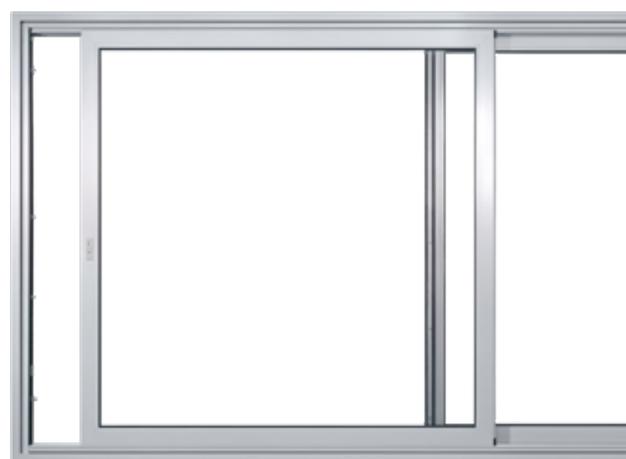


## Door systems: sliding elements

More ease and freedom of design in every weight class, material type and opening type.

The true size of a room is measured not in square meters, but in apparent spaciousness and natural daylight. Here large sliding elements made of timber, PVC or aluminium play out their strengths with SIEGENIA PORTAL sliding hardware. Because thanks to maximum product quality and innovative comfort details, extending to the barrier-free solution, they are operated as lightly as a feather and securely in every size, opening type and weight class. Sometimes by pressing a button or sometimes with the SIEGENIA Comfort app. This is how PORTAL creates the space for fantastic barrier-free living and offers you the best prospects for streamlined logistics and more efficiency.

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## PORTAL HS

The lift-slide hardware with barrier-free thresholds.

With an opening width up to 12 m and a total width of approx. 20 m, PORTAL HS brings movement into modern design concepts with ease. Decades of development expertise have made SIEGENIA lift & slide technology so sophisticated that even a sash weighing up to 400 kg can be operated safely, conveniently, and effortlessly.

The ECO PASS threshold ensures barrier-free passage: beside the standard threshold, the ECO PASS range offers a barrier-free 5-mm version or the level 0-mm threshold ECO PASS SKY axxent. Moreover, the unique 10-chamber profile enables first class thermal insulation.





**reddot winner 2020**  
best of the best

With our ECO PASS SKY axxent level threshold, you will offer your customers a barrier-free, energy-efficient and design-pioneering solution. The fixed glazing seamlessly joins the threshold.



#### Benefits

- Easy to operate
- Can be combined with the SOFT CLOSE damper for gentle sliding of the sash into the end position
- Night vent as standard
- Barrier-free versions
- High level of basic security as standard
- Can be easily upgraded to RC3 in accordance with EN 1627-1630: due to four locking bolts and three pairs of security interlocks on the sealing rail DS28/48/28

#### ECO PASS threshold 5 mm running rail

- Barrier-free in accordance with DIN 18040-2 due to retrofittable step plates
- Only 5 mm high running rail and 3° incline to the outside ground as standard
- Perfect sill installation due to clever extension parts

#### Threshold ECO PASS axxent 0 mm running rail

- No inclines, 0 mm running rail: barrier-free system in accordance with DIN 18040-2
- Design of the threshold and the drainage gutter as if from one mould is possible
- Perfect sill installation and optimum drainage system is possible
- For timber-aluminium elements

## PORTAL PS comfort

The parallel sliding hardware with the maximum degree of ease of use.

Less is often more. That's certainly true of the PORTAL PS comfort parallel sliding hardware, its no-frills approach means that the focus is strictly on its basic function of sliding and as a result it offers maximum ease of use for end users. The PORTAL PS comfort can be operated intuitively like a turn-only window: a simple 90° turn of the handle is enough to open even heavy, large sliding elements without virtually any effort.



### Benefits

- For timber, PVC and aluminium elements with sash weights of up to 200 kg
- Easy and convenient operation
- Quiet, smooth running performance
- Intuitive operation, similar to that of a turn-only window
- Burglar resistance up to resistance class RC2
- Sturdy and safe to use, as operating errors are practically impossible
- High compression, as there is no break in the perimeter seal
- Contemporary cover cap design

## PORTAL PSK comfort

### The parallel slide & tilt hardware for versatile convenience and smooth running.

Architects want more variety and greater design flexibility, clients demand more light and convenience. The parallel slide & tilt elements of the PORTAL PSK hardware provide solutions that satisfy both. PORTAL PSK hardware consists of multiple hardware components that facilitate intuitive operation even for inexperienced users. As the frame to sash clearance for the bogie wheels is very large at 125 mm, the hardware is suitable for very deep window profiles.



#### Benefits

- For timber, PVC and aluminium elements with sash weights of up to 200 kg
- Easy and convenient operation
- Quiet, smooth running performance
- Intuitive operation, similar to that of a turn-only window
- Burglar resistance up to resistance class RC2
- Sturdy and safe to use, as operating errors are practically impossible
- High compression, as there is no break in the perimeter seal
- Contemporary cover cap design

## PORTAL ES

The ECO SLIDE sliding hardware with the special sealing system.

The special sealing system of the ECO SLIDE hardware from SIEGENIA sets it apart from the competition. This completely newly developed product from the PORTAL product group combines the simple operation of lift & slide systems with the high compression of parallel slide & tilt systems.

All this is made possible through its unique design, which combines an uninterrupted, continuous seal with special bogie wheels and innovative guide and locking elements.



### Benefits

- Cost-effective solution for sliding windows or sliding doors with sash weights of up to 250 kg
- For timber, PVC and aluminium elements
- Convenient operation
- High compression due to continuous seal
- Night vent as standard
- Low passage heights are possible, allowing convenient operation as sliding windows
- Narrow frame widths
- Easy and quick installation
- Can be combined with the SOFT CLOSE damper for gentle sliding of the sash into the locking and/or end position
- Low-maintenance

## PORTAL FS<sup>PLUS</sup>

The fold and slide hardware for large opening widths and full flexibility.

The FS PORTAL<sup>PLUS</sup> enables up to seven fold & slide elements, weighing up to 80 kg per sash, to be effortlessly folded together, thereby creating opening widths of up to 6.3 metres. The hardware covers can be painted in any colour to suit any design. Outward-opening fold and slide elements also open up new areas of business. The use of new materials and coating technologies make the new hardware ideal for long-term use outdoors as well.



### Benefits

- For timber, PVC and aluminium elements
- Large passage, unrestricted opening widths
- Convenient operation
- Smooth sash motion thanks to ball-bearing rollers made of special PVC
- Maintenance-free sash hinges due to PVC bearing
- Also available in a highly corrosion-resistant stainless-steel finish
- Barrier-free threshold versions in accordance with DIN 18040 are available



## Door systems: entrance doors

The entire spectrum of modern locking systems.

Modern multi-point locks and access control systems do not only make doors more secure, more convenient and more intelligent, they also open up entirely new possibilities to develop new markets. For this, KfV offers you, beside uncompromising resistance force, also the necessary freedom of design: in the fabrication-optimised modular system and from the high-quality mortise lock to the double-sash escape door solution. Therefore the room comfort of the future can begin at your door - and that door can be opened via an app or fingerprint scanner, for example, and locks automatically when it is simply pulled closed.

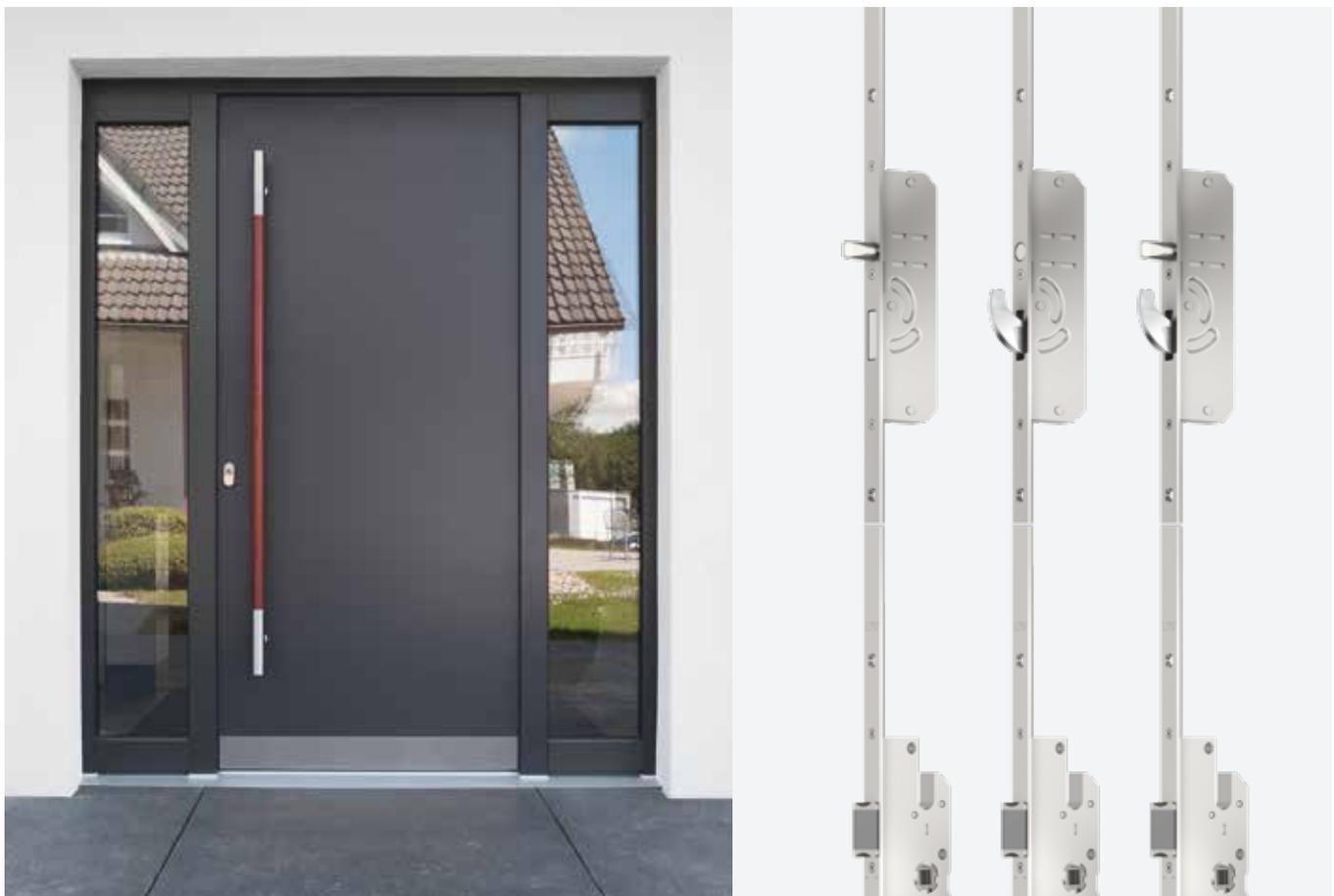
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## KFV ONE modular system

The new generation of key-operated multi-point locks.

The KFV ONE modular system will allow fabricators to configure a wide range of variants in the future, characterised by explicitly lean warehousing and easy ordering as a result of the maximum reduction of necessary components. This begins with the use of a uniform secondary sash and extends to the standardised latch connection. Simple processes are maintained by the identical milling and screwing positions which allow cross-series use. The KFV ONE modular system therefore creates the prerequisites for maximum flexibility and the radical standardisation of assembly processes.



### Benefits

- Uniform millings, the same screwing positions
- The same height dimensions of auxiliary lock cases of 150 mm
- Enhanced contour of the hook bolt
- Smooth-running planetary gear
- Reduction of the lock case thickness
- High modularity, maximum flexibility
- Lean assembly process
- Simple change of DIN orientation or latch buttons

### Key-operated multi-point locks KFV ONE modular system

- Series BS 2100: comfort mushroom cam
- Series BS 2300: steel round bolt with starting angle
- Series BS 2500: hook bolt
- Series BS 2600: combination of both for maximum security

## KFV multi-point locks

### The right lock for every area.

KFV multi-point locks are perfectly coordinated locking systems, which fulfil maximum security and comfort requirements. In the process, massive steel round bolts, falling bolts, clawing hook bolts or both locking types are employed in the auxiliary lock case. You can have a precise and extremely efficient solution for every situation due to the fully compatible product programme and the clever modular dimensions.



#### **Key-operated three-latch lock AS 2750**

- With triple self-closing function via the main lock and auxiliary lock latches

#### **Key-operated automatic multi-point locking system AS 3600**

- Four-fold automatic locking via the falling bolts and hook bolts in the auxiliary gear box
- Triggered mechanically via the falling bolts

#### **Handle-operated multi-point locks**

- Series AS 4100: comfort mushroom cam
- Series AS 4340: steel round bolt with starting angle
- Series AS 4540: conical hook bolt
- Series AS 4640: combination of both for maximum security

# GENIUS

## Convenience and security at the push of a button.

The GENIUS electromechanical locking and unlocking system combines the locking properties of a mechanical multi-point lock with the convenient operation of smart electronics. Depending on the version, it is suitable for use in private homes and in commercial or industrial buildings. Besides the familiar analogue inputs and outputs, GENIUS now offers the SI-BUS interface — the digital interface for SIEGENIA smart devices. This means that the SIEGENIA access control systems can communicate with the GENIUS without additional control units, thereby enabling especially flexible and future-proof use. The completely digital communication allows updates of existing systems as well as the extension of functions and integration into the existing smart home systems.

### Benefits

- Electromechanical locking and unlocking of all locking elements, optimum sealing
- Permanent lock monitoring
- Low installation width of only 16 mm and installation depth from 52.5 mm
- Mechanical operation via a cylinder lock is possible at any time
- Day-night changeover via colour LEDs
- Menu navigation and status messaging in installed state by colour LEDs
- SI-BUS interface for SIEGENIA access control systems, IO modules and further SI-BUS-compatible systems
- Permanently open function due to 100 % ED (duty cycle)



### GENIUS EA

- With integrated control electronics and electronically controlled gear motor
- Can be combined with the digital SIEGENIA access control systems: fingerprint scanner, keypad and transponder
- User memory for SIEGENIA access control system with up to 50 users
- Besides the digital communication via the SI-BUS interface, can also be combined with analogue access control systems from other manufacturers

### GENIUS CA

- As an additional feature as compared to the EA versions, this one comes with a "Comfort" quick-release mechanism that instantly releases the latch when operating the inside lever handle

### GENIUS EB

- As an additional feature compared to the EA version, this system can also be combined with external systems such as clock timers, motorised door drives, or alarm systems
- User memory for SIEGENIA access control system with up to 200 users

### GENIUS CB

- As an additional feature as compared to the EB version, this one comes with a "Comfort" quick-release mechanism that instantly releases the latch when operating the inside lever handle

## Locks

### Logical solutions for timber and metal doors in all requirement classes.

Our wide range of locks manufactured to ultimate quality standards and for any application offers a matching DIN or custom solution in accordance with usage frequency and security requirements. Doors for private homes or public buildings, as original or retrofitted equipment: our high-quality KfV mortise door locks for rebated and non-rebated doors are a perfect match. They are available for skeleton key locks, bathroom door knobs or cylinder locks. The product range is supplemented by a large variety of latch and deadbolt and special locks.

#### Magnetic locks

Where visual appeal and ultimate locking convenience go hand in hand.

The latches are triggered by special magnets integrated in the frame part and in the actual latch. When the door is open, the latch is in line with the lock face plate, and therefore virtually invisible. The latch only extends into the frame part and is secured in place by magnetic force when the door is fully closed. Perfect design is combined with a noise-dampened and smooth closing operation as the latch does not touch the frame profile.



#### Mortise door locks

- In accordance with DIN 18251 in the classes 1 to 4



#### Latch and deadbolt locks

- Single turn or double turn
- With various bolt throws and backsets



#### Special locks

- For steel, moisture-proof and radiation protection doors as well as for sliding, glass and double-action doors



## Emergency exit and panic door locks

Reliable and efficient solutions in accordance with EN 179 and EN 1125.

Whether it is an emergency exit or panic door lock, whether it is a mortise door lock, latch and deadbolt or multi-point lock: the proven solutions of the KfV panic product range always combine ultimate functional reliability and burglar resistance with simple operation and innovative and efficient product details.

With our panic mortise locks, latch and deadbolt and multi-point locks, escape and DIN direction can be set simply by adjusting the latch. The direction of escape can be changed in just a few steps, depending on the panic function. Accordingly, you only need one product for all escape and opening directions. The escape door functions of our multi-point locks for single and double-sash doors are based on the same main lock families and all additional locks have identical dimensions.



### Benefits

- Direction of escape can be set on the main lock for function B and D
- Suitable for fire-rated doors (minimum face plate widths of 16 mm)
- Adjustable DIN direction
- Escutcheon holes at a minimum 35 mm backset
- Can be combined with KfV standard frame parts
- Cylinder lock in accordance with DIN with and without free-running cam and/or Swiss round cylinder can be used
- Simple assembly of the double-sash solution by omitting long threaded rods and use of drive rods behind the secondary sash

### The different locking functions

Our escape door solutions can generally be opened in the direction of escape without a key, even when locked. The options for opening the door against the direction of escape depend on the locking function (switching function B, passage function D or cylinder-operated lock E).

## Frame parts

### The versatile frame range for multiple profile systems.

The cost effectiveness and versatility of our range of frame parts is not based on a multitude of different frame part variants. On the contrary! Due to its clever modular dimensions, identical routed templates and thanks to the unique Q adjustment, no special frame parts are required, which contributes to lean warehousing and flexible assembly. Frame parts with Q adjustment can be used with all multi-point lock types with round bolts, hook bolts or round bolt-hook bolt combinations. Another benefit: you can compensate tolerances by the adjustment range of 5 mm, which is the largest of any complete product range in the market, and simultaneously benefit from the low installation depth and a high visual appeal.



#### Range of applications for frame parts with Q-adjustment

- Key- or handle-operated multi-point locks
- Automatic multi-point lock
- Three-latch multi-point lock
- Panic multi-point locks

#### The versions

- Single locking panels and locking rails for different door heights
- Replacement parts: standard version or with integrated sliding technology
- Frame parts for door security locks
- Surfaces: zinc-plated, powder-coated and stainless steel

#### Upgrade options

- Day latch: main lock latch is released by a mechanical catch which is easily switched via the manual locking slider
- Hinge-side security device: optimal protection against the door being levered open thanks to two wedge lock elements with interlocking teeth

## Keep bolts and standard shootbolts

### Convenient and efficient solutions for inactive leaves.

In addition to the proven standard shootbolt solutions, KFV has a comprehensive range of keep bolts for double leaf doors made of aluminium, timber and PVC. These hardware solutions provide an extraordinary security level thanks to their strong vertical deadbolts. They can be combined with mechanical and electromechanical multi-point locks.

In addition to their smooth operation and their attractive styling, these hinges are characterized by their intelligent modular design. Extraordinary flexibility and quick installation as well as lean warehousing are the benefits. The new BS80 keep bolt leads the way.



#### Benefits

- SKG-tested
- Smooth operation
- Time-saving assembly
- Thick bolts makes it particularly secure
- With deadbolts that extend 20 mm upwards and downwards to lock
- For door heights from 2,010 mm to 3,155 mm
- Secondary sash lock bolt BS80 with convenient T control lever

## axxent door hinge

### Security by design.

Durable and reliable hardware makes for secure doors. Easy and flexible installation creates a high level of efficiency. And a fully concealed hinge side turns doors into discreet design elements complementing any elegant interior. To combine strength, cost-effectiveness and styling into one piece of hardware, we have developed the axxent door hinge specifically for aluminum doors. The two-piece hinge with frame and sash part is designed for sash weights of up to 120 kg. It requires only minor profile milling and offers many benefits in terms of installation: to connect the sash, simply push it in and then use the convenient 3D adjustment mechanism providing maximum scope for lateral, height and compression adjustment.



#### Benefits

- Two-piece hinge with frame and sash part for metal profiles
- Easy lift-off and installation of the door leaf - only one person required
- Simple 3D adjustment and large adjustment range
- Durable technology, load capacity for door weights of up to 120 kg
- Low level of profile milling required



# Comfort systems

The smart SIEGENIA world  
for more intelligent living.



Windows



Sliding doors



Entrance doors



Ventilators

Those who rely on room comfort are clever. Those who interlink this cleverly are smart. Because when efficient drives, monitoring or access control systems are connected with the hardware technology and also react in conjunction with ventilation units in one system, this creates completely new possibilities: the ventilation is finally energy-efficient. Clever sensors also think and regulate everything according to need. The necessary technology for this is automatically intelligently linked and can be controlled via an app using the tip of one single finger.

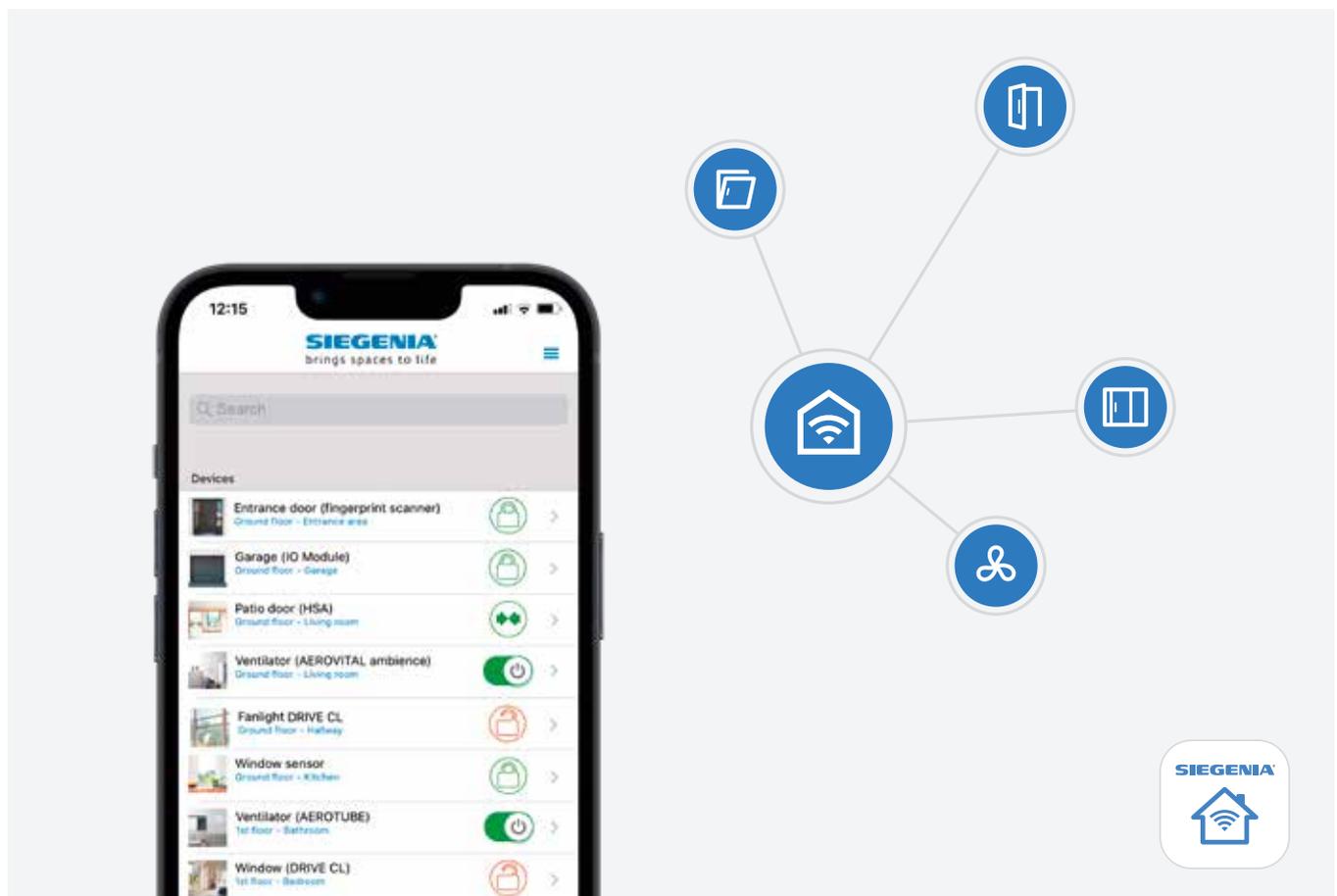
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## SIEGENIA Comfort app

The app solution for convenient device control: your smartphone will become a universal remote control.

Convenience starts with easy operation: the SIEGENIA Comfort app allows you to operate a range of SIEGENIA smart products using your own smartphone or tablet. This replaces the need for conventional control via wireless or infrared remote control. Using products ranging from the AEROPAC wall-mounted ventilator to the DRIVE axcent DK motorised drive and the KfV GENIUS, you can open doors or windows, or control ventilators, depending on the product you choose. Convenience from operation to the function: depending on the functions offered by the individual devices, the app ensures perfect control by providing reliable feedback about the device status or executing commands. The technology this requires is a WIFI-capable version of the relevant device (smart version), which can either be used as a stand-alone solution or can be integrated into the local WIFI network.



### Benefits

- Convenient operation of all SIEGENIA devices using a smartphone or tablet, as a stand-alone solution or integrated in your own WIFI network
- Smart standard/ special accessories that win over customers in consulting and sales work
- Easy, intuitive component commissioning by an installation wizard integrated in the app

## Motors for windows

Powerful motors for more quality of life.

Our motorized drive solutions support people in their everyday life with intelligent, easily operated systems. In addition, secure and barrier-free comfort and convenience, the option of user independent ventilation and concealed hardware always add value to any property, whether it is a residential building, a school, retirement home or office building. The compact and powerful units are easy to install, integrate perfectly into building technology and blend into any type of architecture and facade.



### **DRIVE axxent DK and DRIVE CL**

Fully concealed tilt locking drives.

These easy-to-install drives for tilt-only and turn-and-tilt windows, made of timber, PVC or aluminium, feature first-class design and are fully concealed in the frame profile. They enable fully automatic, controlled window ventilation, always providing a breath of fresh air in high-quality residential and commercial buildings.

Both drives can be conveniently operated via push button or wireless remote control and the smart version can also be operated via smartphone with the SIEGENIA Comfort app. If the window is pushed closed, the drive locks the element via the Auto-Lock function.

### **DRIVE axxent**

Concealed motion chain drive.

With its large opening width of up to 350 mm and flexible control options, DRIVE axxent is the ideal solution for effective and convenient ventilation by tilting hard-to-reach skylights.



## DRIVE axxent HSA smart

The new ease of living:  
that is our drive.

A design element for living concepts where aesthetics matter, the fully automatic DRIVE axxent HSA lift-slide drive makes a real impression when it comes to ease of use: at just the press of a button, it automatically opens and closes lift-slide doors with a sash weight of up to 400 kg. With a concealed design, the lift drive ensures reliable locking and unlocking of extremely large windows and, along with the button, creates a highly attractive look. The sash can be opened and closed via the SIEGENIA Comfort app as standard or optionally via button or wireless remote control. Operation via the SIEGENIA Comfort app also includes motorised start-up of the night vent and adjustment of a limited opening width. In combination with a flat floor threshold, a barrier-free version in accordance with DIN 18040 is also possible.



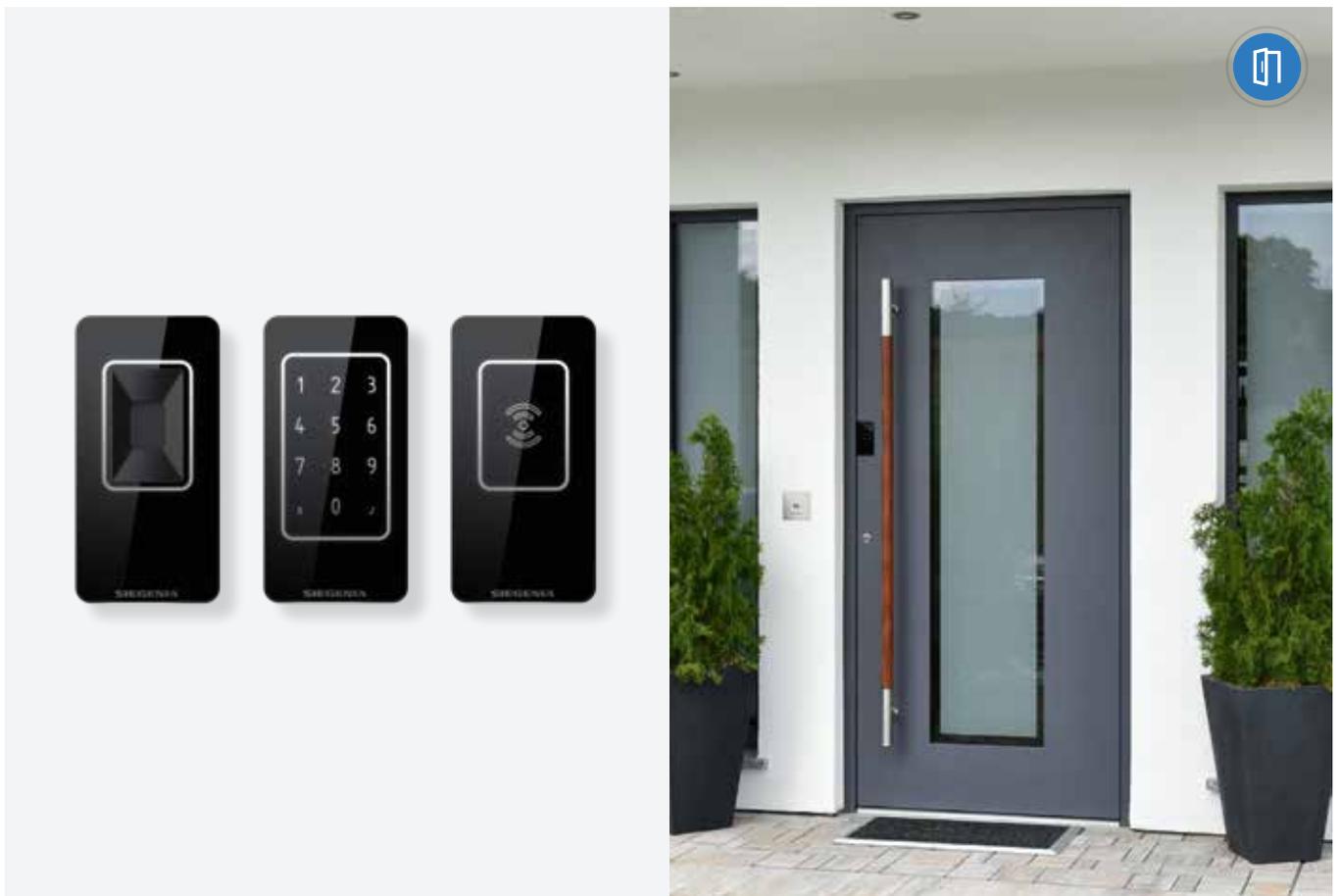
### Benefits

- Suitable for sash weights up to 400 kg
- Automatic teach-in
- Quick assembly time: pre-assembled drive and plug & play system ready for connection
- With locking bolt and hook bolt gear
- Modern, unobtrusive design thanks to concealed lift drive and flat buttons
- Sliding and locking by pressing a button, motorised night vent, option of a limited opening width
- Simple manual emergency operation in the event of a power failure
- Can be operated via SIEGENIA Comfort app as standard
- Smooth start and stop motion
- Electronic jam protection feature conforming to relevant standards
- Wheelchair-compatible version in accordance with DIN 18040 if used in conjunction with flat threshold
- 10-minute automatic ventilation

## Access control

Smart and secure doors due to intelligent comfort systems.

Our digital access control systems combine innovative comfort functions with an elegant appearance and the easiest operation. Due to the SI-BUS interface, all three systems can communicate directly with the drive without an additional control unit. This digitalisation keeps all options open for integration in smart living concepts or for future system extensions. The operation can be wireless via Bluetooth or WIFI and the complete SI-BUS is secured with a 128 Bit AES encryption.



### Benefits

- With WIFI and Bluetooth chip as standard
- Operation via the SIEGENIA Comfort app
- Keyless function via Bluetooth can be optionally used
- Simple user administration and timer
- Complete device administration
- 128 Bit AES encryption and access log
- Colour-adjustable LED lighting
- Sensor-controlled lighting
- Future-oriented update function

## Facade and window ventilators

For precise and flexible implementation, even of unusual projects.

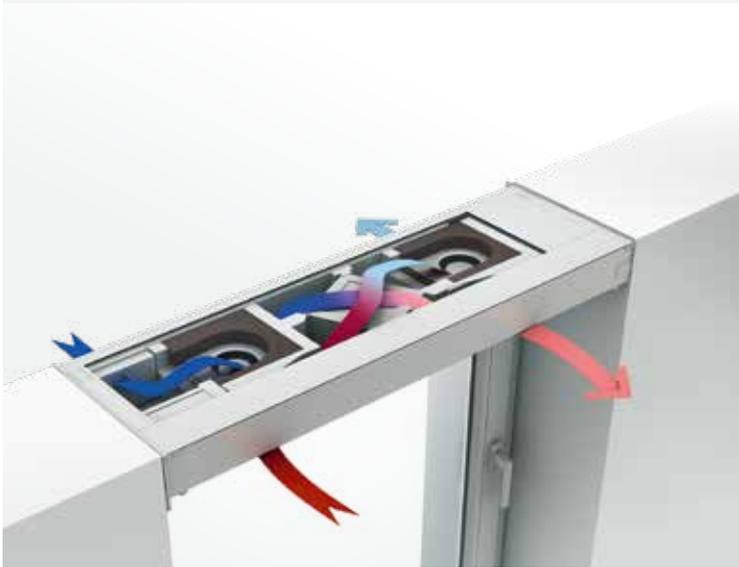
SIEGENIA offers an extensive range of innovative ventilation units for installation in or around windows. Whether integrated and virtually invisible or intended to catch the eye, whether motorised ventilators or passive ventilators reliant on natural pressure differential, our ventilation systems are more than just powerful. They are exceptionally versatile and flexible, thanks to their modular design. Individual and customised ventilation concepts can be realised, even for highly demanding projects.



### AEROMAT VT with heat recovery

Flexible installation, efficient ventilation.

The compact AEROMAT VT window ventilator with heat recovery combines energy efficiency with humidity control and a healthy indoor environment to the greatest possible effect. In addition to its thermal efficiency of up to 62%, the ventilator provides first-class air throughput as well as extraordinary sound absorption, including intelligent filter technology which protects against fine dust and pollen. For ultimate flexibility, it can be integrated vertically into the facade, also making it practically invisible. The smart version can be operated with the SIEGENIA Comfort app.



### AEROMAT flex

The AEROMAT flex enables a fresh air supply without interfering with the facade image. Because it simply makes optimal use of the installation space of windows and lift and slide elements. In both versions of the AEROMAT flex HY, the supply air opening is independently regulated by the humidity in the room.



**AEROMAT mini**

Window rebate ventilator with optional turn lock.

The AEROMAT mini energy-saving passive vent provides a consistent air exchange and effective humidity protection. The automatic flow control also contributes to a high degree of room comfort. The AEROMAT mini can be easily installed in timber, PVC and aluminium windows so that it is almost invisible.

**AEROMAT 80/100/150**

The variable window ventilator for outstanding sound absorption.

**AEROMAT midi**

The smart passive vent with double locking mechanism and volumetric flow flap.

**AEROMAT midi HY**

Window ventilator with humidity control for demand-based minimum ventilation.



## Wall-mounted ventilators

### Flexible solutions for every requirement.

There is a lot to be said for using high performance wall-mounted ventilators, particularly in renovations. Thanks to their easy and quick installation, they can also be integrated flexibly into building planning at a later stage. Depending on the ventilator type, wall-mounted ventilators offer many additional functions to enhance the sense of human well-being such as optimum sound absorption and heat recovery or integrated protection against humidity and highly effective filter technology. Furthermore, they are very easy to operate and maintain. In the smart version, the ventilators can be conveniently operated via the SIEGENIA Comfort app.



#### AEROVITAL ambience

The AEROVITAL ambience is the solution for calm enjoyment of fresh air of the best quality. With effective sound absorption and clever comfort functions like the intelligent humidity control, it provides filtered and well controlled home ventilation. This makes the indoor environment healthier and saves energy, because the wall-mounted ventilator recovers over 85% of the heat from the exhaust air. In the "smart" version with integrated WLAN module, the AEROVITAL ambience, thanks to the SIEGENIA Comfort App, can also easily be operated by smartphone, opening up numerous additional functions.



#### AEROPAC

The small sound absorbing ventilator with big benefits: quiet, powerful, easy to use, quick to install.



#### AEROVITAL

The modern universal ventilator with pollen protection, heat recovery and total convenience.



#### AEROLIFE

The energy-saving universal ventilator with pollen protection and heat recovery.



## AEROTUBE system

Thanks to the diversity of the AEROTUBE ventilators, projects involving special requirements can be achieved flexibly and easily. As an individual single solution or as a cross room ventilation system: with their different modes of operation and comfort functions, the AEROTUBE unit versions open up all options to you. For example, AEROTUBE WRG smart ventilators can easily be connected via WIFI to operate in pairs, meaning that the devices can coordinate their operation automatically.



### AEROTUBE WRG smart

Automatically alternating supply air and exhaust air with high heat recovery.



### AEROTUBE AZ smart

Supply and exhaust air operation with high air throughput.



### AEROTUBE DD

Passive vent with high sound absorption and flexible equipment options.



## senso secure wireless window sensor

### Opening and locking monitoring system via app.

In contrast to all conventional sensors, the concealed senso secure, integrated in the profile, can distinguish between all opening and locking statuses without doubt and make these visible at a glance via an app. This means you can calmly leave your home and still have a close eye on everything. The vibration sensor even picks up vibration on the window as a burglary attempt. The window sensor triggers an alarm tone as well as a loud and intimidating alarm signal on the SIEGENIA Connect Box. Moreover, there is an option to have an alarm signal sent to a smartphone via a push notification.



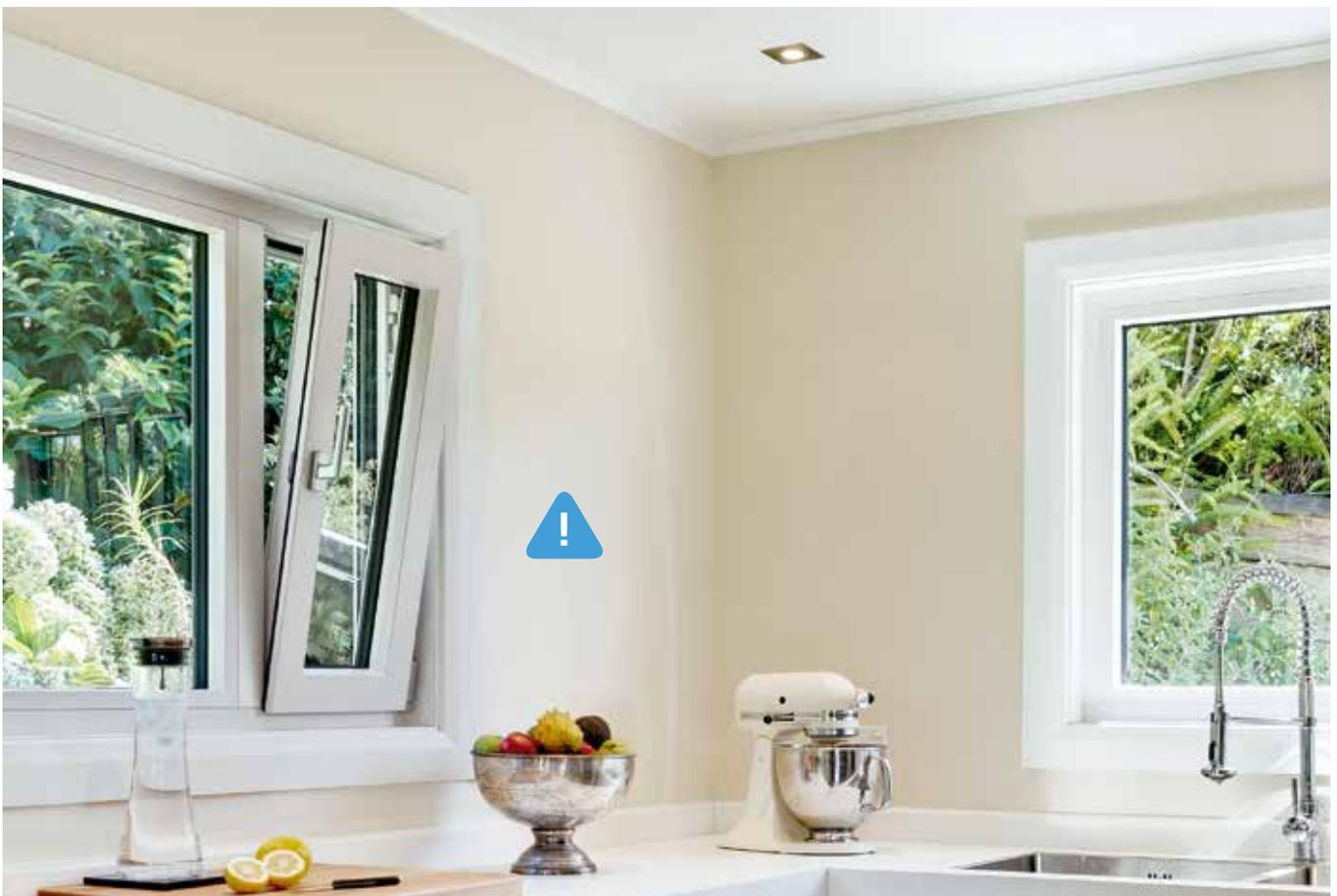
#### Benefits

- Distinction of all possible opening and locking statuses
- Detection of potential mishandling
- Integrated vibration sensor triggers in case of attempts to break in
- Can be easily and quickly integrated concealed in the window profile: no tools are required
- Can be combined with conventional fittings regardless of the manufacturer and also upgraded at any time
- With the SIEGENIA Connect Box: monitoring while you are out and about via the SIEGENIA Comfort app is possible
- Compatibility: operation with the SIEGENIA Connect Box or with other EnOcean-based systems if the eep-log is implemented
- Easy commissioning via the SIEGENIA Comfort app
- Status change counter enables improved services

## AEROCONTROL

Down with heating costs, up with security.

Unfortunately, the possibility of windows or sliding doors being left open can never be completely ruled out, particularly in buildings with a large number of both windows and occupants. And when they are left open, it is easy for uninvited guests to enter the building – and for precious energy to escape. With AEROCONTROL, both of these eventualities are avoidable. Magnetic switches in windows and sliding doors signal the respective opening status. Via a central monitoring unit an alarm can then be triggered, for example at a security company. AEROCONTROL can also save energy, because it can be connected to the thermostatic valves on radiators. For example, if windows are opened, the radiators are turned off automatically. This helps to save both money and the environment!



### Benefits

- Saves energy costs by notifying the central building control technology of any open windows or lift-slide doors
- Can be universally fitted in a wide range of windows and patio doors
- Suitable for timber lift-slide doors schemes A and C
- Also suitable for retrofitting
- Integrates into frame rebate, regardless of profile
- Extensive accessories for alarm glazing and control of fume extraction hoods
- VdS tested and certified to the maximum monitoring class C, depending on switch type
- Versions with EN approval and for LSN-BUS systems
- Depending on the type, comes with sabotage monitoring and external magnetic field control of magnetic switch





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