

SIEGENIA®
brings spaces to life

Home³

SIEGENIA brings spaces to life.

Window systems

Door systems

Comfort systems

SIEGENIA is room comfort. Our products and solutions bring spaces to life and give people a sense of well-being.

Room c





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Prote



ction 3

**Windows and doors that
provide maximum security:
That's room comfort.**

A house is a building, home a feeling. A sense of carefree protection, which can only arise where you feel safe. With SIEGENIA your house will surely become a home. ❶ With windows that, thanks to the best burglar resistance, don't give burglars a chance. ❷ With doors whose massive bolts and hooks lock automatically when pulled shut. ❸ Or with electronic window and door surveillance that lets you have everything securely in view via app.



See 3

**Windows and doors that
open and close themselves:
That's room comfort.**

The new ease of living is our drive. This added quality of life can have many faces, ranging from small comfort details that make everyday hand movements easier up to smart home solutions for smarter living. We ensure this **❶** with windows and doors that can be operated intuitively and smoothly. **❷** With invisible motorised drives that open and close windows and doors by themselves. **❸** Or with our home automation that intelligently links windows, doors and ventilation systems.

A photograph of a woman with blonde hair tied back, sitting in a white clawfoot bathtub. She is seen from behind, with her arms raised and hands clasped behind her head, looking out a large, bright window. The scene is bathed in warm, natural light, suggesting a sunny day. The word "Sun" is overlaid in a large, bold, yellow font across the center of the image.

Sun

bath³

With natural light and
a healthy indoor environment
for deep relaxation:
That's room comfort.

Leave the noise of everyday life outside, let in fresh air and sunshine: That's quality of life from room comfort. SIEGENIA creates this quality ❶ with large surface windows that appear light due to their narrow frames and ❷ thanks to their outstanding airtightness are highly energy-efficient. ❸ Or with our ventilators that are economical and whisper quiet to ensure a healthy indoor environment of your private wellness oasis.

Not we should adapt to rooms - they should fit us. Like a favourite piece of clothing: Comfortable and familiar. When the requirements of the space are in harmony with our need for well-being, room comfort then creates quality of life.

Quality

A photograph of a middle-aged man with grey hair, wearing a blue sweater and brown trousers, sitting on a white ledge or window sill. He is looking out a large window to his right with a thoughtful expression. His right hand is resting on his knee. To his left, a large white lampshade is visible. The scene is brightly lit by natural light from the window. The word 'Quality' is overlaid in large blue letters across the center of the image.

of life³

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Demand-controlled ventilation, window and wall-mounted ventilators

In terms of building physics, a window is a hole in the outer shell of a building. Only the window hardware functions create room comfort: Security through burglar resistance, a perfect indoor environment through integrated ventilation, aesthetics through narrow frame profiles and elegant handles, smooth and durable operation through the highest quality materials.

Window

A photograph of a bright, modern dining room. In the foreground, a white rectangular table with black legs is set with white plates, glasses, and small blue and clear glass vases containing green plants. Four black chairs with curved backs are tucked under the table. The room features two large, multi-paned windows with white frames. The windows are open, letting in natural light. On the windowsills, there are various potted plants, including a cactus and some leafy greens. A white radiator is visible beneath each window. A white, vase-shaped pendant light hangs from the ceiling. The floor is made of light-colored wooden planks. The word "Window" is overlaid in large, teal, sans-serif font across the middle of the image.

Security

Large surface windows are nice to look out of. But unfortunately also to enter into. Security therefore is a top priority with our window hardware: From specially shaped bolts, which prevent these from being pried open, up to the highest security, for example, resistance class RC3. Our robust locking systems are easy to operate and they can also be electronically monitored simply and reliably with your smartphone.

systems

Comfort

Can room comfort be heard? Thanks to the integrated sash lifter and the optimal adjustment options, windows with SIEGENIA hardware slide into frames like the door of a limousine. Can room comfort be felt? The handles and gears on our hardware can be mounted on a window frame, allowing flexibility of positioning. For example, lower – for people in wheelchairs. Can room comfort be seen? Windows and doors open and close themselves thanks to concealed drives. You can see: Room comfort can be enjoyed with all your senses.

Indoor environment

More light and air, more liveliness. Windows inspire the soul and improve your living atmosphere. But besides natural daylight and oxygen-rich air, a healthy dose of energy efficiency makes for a perfect indoor environment.

The balancing act between a continuous supply of fresh air and sealed windows can best be created with our ventilation units. Almost invisibly integrated in or on the window, they provide the necessary air exchange and keep any street noise outside. Even heat recovery and pollen filtration are easily achievable. Room comfort to breathe in.

Window systems for timber, PVC and aluminium

Well-being begins with security.

SECURITY

Effective protection against prying your windows open.

Anti-intruder protection up to RC3

In order to protect your home as best as possible, different security levels are necessary depending on the accessibility of the window. The greater the number and quality of locking points the better! Our mushroom-shaped bolts and frame parts made of special steel have proved their worth millions of times over. They even make life difficult for experienced burglars, without compromises in terms of smooth running and design.

A question of quality

With its automatic height adjustment and roll function, our comfort mushroom-room cam continuously slides easily and precisely into the frame part, where it securely interlocks. That's something only SIEGENIA offers.



**Every minute counts**

After two to three minutes, most perpetrators abort their burglary attempt. That's why the police recommended at least resistance class RC2 for easily accessible windows. A window with RC1 only provides basic protection against physical violence and vandalism.

Resistance class RC2

The windows offer effective resistance for up to 3 minutes against screwdrivers, pliers and wedges.

**Resistance class RC3**

The windows also withstand burglary attempts with heavy tools like crow-bars for up to 5 minutes.



Window systems

Optimal intruder protection and clever surveillance.

SECURITY

Double security inside and out.

Lockable handles

Key locked windows protect against burglary attempts whereby the perpetrator smashes a small hole into the glass pane or glass seal in order to open the window with the handle. Moreover, locked windows can be tilted from the inside, but only completely opened with the key.



Ensure fresh air in a burglar proof way.

Secured night vent

High intruder protection and healthy ventilation are no longer a contradiction in terms. Because with the secured night vent TITAN vent secure, you can leave your window open a crack and still be well protected – against burglary, against drafts and driving rain. This way, a pleasant feel-good climate is ensured regardless of the user. In combination with a motorised drive, secured ventilation is also possible automatically. Available summer 2016.

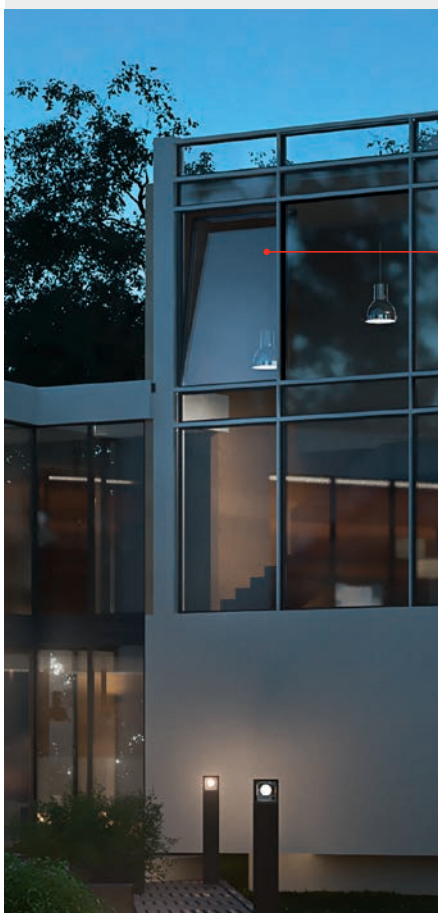
For timber and PVC windows.



Simply control windows over the app.

iWindow

The user-friendly app solution iWindow lets you monitor the opening and locking status of your windows easily and reliably via your smartphone. To do this, a wireless window sensor is attached to the window frame and a magnet to the window sash which report the respective window status to the iWindow gateway and display it in the app at a glance.



Integrate VdS tested windows in alarm systems.

AEROCONTROL

Secure your windows and sliding doors electronically as well: Using the VdS tested magnetic switch. These reliably report any tampering with the window by burglars to your burglar alarm system.



Window systems

More comfort in a perfect design.

COMFORT & DESIGN

The window design for modern room concepts.

Concealed pivots

If your room and decorating ideas follow a clear line, then they can be optimally supported by axxent hardware. This way, you can achieve a window design where all the components are hidden in the frame and the pivots are "invisible." Only axxent combines least wear with highest design and comfort requirements and offers the best prospects for perfectly shaped beautiful timber, PVC or aluminium windows.

Design handle GLOBE

Style and aesthetics in an ergonomic design: With its sweeping teardrop shape, it not only looks good, it also feels good in your hand. The GLOBE window handle is available in many colours and rounds off a clear window design in a particularly coherent manner.



**Sliding and locking at the push of a button
by our invisible drives.**

Motorised drives

Powerful, hidden integrated motor functions brings greater ease into life. Because especially hard to reach windows can thus be easily operated at the touch of a button and also integrated into the building automation. DRIVE axxent drives provide controlled ventilation fully automatically and are almost invisible from the outside.

SI Comfort app

Use your smartphone or tablet as the remote control for your motor driven windows and wall or window ventilators.

All the additional benefits of the SI Comfort app are described on page 48.



Window systems

Often it's the details that make life easier.

COMFORT & BARRIER-FREE ACCESSIBILITY

Barrier-free transitions for boundless freedom of movement.

Floor-level thresholds

Modern balcony and patio doors should give you light and space – and not pose a tripping hazard. That's why our systems for French doors are also available with a floor-level threshold. This provides accessible solutions for people with physical limitations as well as for senior living in a perfect design that ensures increased quality of life and greater independence.



**More comfort in reach:
Easily accessible handles.****Low handle positions**

Window with a future are windows that anyone can operate. For example, using lower handles that are also easy to reach for people in wheelchairs.

**Minimum operating force
when tilting and locking.****Gear-driven top stay**

Once you operate a window with positive control, you will develop a weakness for maximum comfort. Turning the handle tilts or closes the sash and minimizes the effort required.

**Operate two window sashes
using a single handle.****Automatic shoot bolt**

This solution can be used for double sash windows to operate the upper lock in the inactive sash using the window handle.

For timber and PVC windows.



Window systems

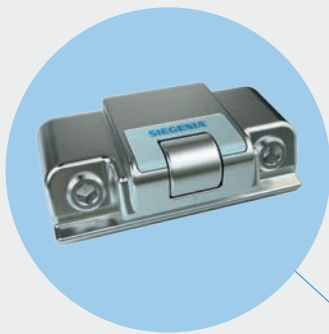
Only these comfort features will allow you to make a window your window.

COMFORT

Permanently easy closing without friction and wear.

Sash lifter

It cannot defy gravity, but it can successfully counteract it: our sash lifter. Wide window sashes in particular sink a bit over time. That's why they lift the sash imperceptibly a bit each time you close it so that they still slide safely and gently into the frame even after years of use.



Individual opening width.

Opening restrictor with braking function

The sash is uniformly braked when opening and closing to avoid hard stops and increase the service life of the window. This way, the window remains in the desired turning position and does not open or close shut even with drafts.



Safe protection against improper operation.

Mishandling device

Make your windows particularly safe to operate. Equipped with a mishandling device, you can exclude the risk of faulty switching. Because with a hasty change from the turn to the tilt position the window handle is specifically blocked.



Protection against opening balcony and patio doors.

Snappers

This clever component keeps your patio or balcony doors securely in the frame merely by pressing them shut. This way, they cannot open up when unlocked after a sudden gust of wind.

For timber and PVC windows.



Optimum corrosion protection for particular durability.

Weatherproof materials and surfaces

For minimum wear and a long-lasting beautiful look, our hardware systems are optimally protected against corrosion. We offer reliable solutions even for extreme climate and weather conditions such as near the coastline for example. The hardware for aluminium windows are made of aluminium, aluminium die casting and partially steel. This makes them rustproof by nature. With timber and PVC windows, special finishes provide enhanced protection.

TITAN Silver: The best standard surface on the market

TITAN E-Look: Special surface, ideal in coastal areas

SIEGENIA
Quality hardware:
high quality materials
and surfaces



Window systems

Room comfort to breathe in.

VENTILATION & ENERGY EFFICIENCY

More comfortable tilt ventilation thanks to a flexible opening width.

Adjustable tilt opening width

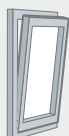
The energy saving stay lets you easily adjust the amount of incoming air to the respective outside temperature when venting windows. One quick movement of the hand can thus minimise drafts and easily regulate the indoor environment. And without any tools.



Summer vent feature



Winter vent feature



Ventilate when specifically needed automatically and quietly.

Intelligent window ventilators

An all-round healthy indoor environment improves your well-being. Demand-controlled ventilation plays a central role here. Our AERO window ventilators offer particularly versatile solutions that work regardless of their user and can be integrated almost invisibly in and around the window. Their capabilities range from effective sound absorption up to pollen filtration and heat recovery.



You can find our energy-efficient ventilators with heat recovery and many other additional functions starting on page 52.



The question is not: Who's at the door? The question is: What's in the door? Equipped with modern multi-point locks and intelligent access control systems, modern doors open up a high degree of security and ease of use.

Door



Security

The calming effect of particularly secure entrance doors and sliding doors is subjective. But their burglar resistant properties can be measured objectively. Burglars love it fast and easy. Multiple locking points, in contrast, frighten them in several ways. It takes too much time and it makes too much noise to overcome them. Even then the chances of success are still vanishingly small. Therefore, room comfort can also be something that doesn't come into the house in the first place and gives us a feeling of security.

systems

Comfort

When solid steel bolts and hook bolts interlock in the frame to ensure maximum security, that sounds like hard work. However, the ease with which our locking systems lock never fails to amaze and, upon request, also works automatically: With sliding doors, for example, via app and, with your front door, simply by pulling it shut. And when the app identifies you via Bluetooth and subsequently opens it keyless for you, then you will notice that room comfort already begins at the door.

Design

In modern interior design, less is often more. SIEGENIA offers you plenty of opportunities to make important comfort and safety technology invisible from the outside. Tucked away in the frame or the profile, this results in clear design advantages. Even with large sliding doors, less brings you more: With slender sash profiles and glazing that merges seamlessly into the floor, you increase the glass content and, with the increased natural light, bring more room comfort into your home.

Door systems: Sliding doors made from timber, PVC and aluminium

The true size of a room is measured not in square meters, but in apparent spaciousness and natural daylight.

COMFORT

Take advantage of your creative freedom for nicer and brighter living.

More opening width and versions

You would preferably bring your garden indoors on warm days? Or wish to connect your patio to your living room during an extended Sunday brunch? Then why not give your sliding door the necessary opening width. With PORTAL this can be up to 12 m and a simple movement of the hand or push of a button is enough to dissolve any boundaries between the inside and outside "into thin air."

Due to the free choice of opening types, you can configure your sliding door to perfectly match your room situation. All versions ensure maximum ease of use – namely in every weight class.



Parallel Slide & Tilt systems are not only easy to slide, they also permit tilt ventilation.



Fold & Slide systems can be easily folded inward or outward and provide unrestricted opening widths of up to 6.3 m. The threshold can be used barrier-free.



12 m



Lift & Slide systems

provide opening widths up to 12 m at a total width of over 19 m. Even heavyweights can be operated absolutely smoothly and securely. Moreover, our lift-slide systems open up optimum design possibilities for special room comfort in terms of operation, barrier-free accessibility and design.

Door systems: Sliding doors

With feather-light operation like a modern kitchen drawer.

COMFORT



Close particularly gentle and secure.**SOFT CLOSE function**

There is a safe solution for the simple operation of large and heavy lift-slide systems: The innovative SOFT CLOSE function that can be invisibly integrated into the sash. This brakes the sash gently just before the end position and then pulls it shut automatically. This minimises the risk of injury in case of improper operation and precludes any material damage.

Minimum operating force, maximum ease of use.**Clever comfort solutions**

There is always a magic word for maximum ease of use. With lift-slide systems, it is "energy storage". A special spring hidden in the comfort gear uses the weight of the sash to lift it even more easily. With larger Parallel Slide & Tilt doors, "positive control" is essential: Merely turning the handle moves the sash conveniently into the desired position.

**Set heavy things very easily in motion.****Innovative bogie wheels**

Sophisticated product details and the highest quality materials allow sliding doors of all sizes to slide back and forth almost weightlessly. This is achieved by very special bogie wheels which distribute the load of the sash across up to eight rollers.



Door systems: Sliding doors

The most elegant solution to dissolve barriers into thin air.

BARRIER-FREE ACCESSIBILITY & DESIGN

Barrier-free solutions for a carefree life.

Floor-level threshold ECO PASS SKY for Lift & Slide systems

Sometimes it only takes a few millimetres to achieve a significant effect. With the ECO PASS threshold, it's just five. This minimum height makes it a spectacular and absolutely barrier-free solution without compromising airtightness and thermal insulation. This greatly increases quality of life and greater independence for senior living, for people with physical limitations and for particularly comfort conscious individuals as well.

For sliding doors made of timber-aluminium, timber and PVC. We also offer barrier-free solutions for fold & slide systems.

Opening and closing at the press of a button.

Motorised SIEGENIA DRIVE drives

Why don't you raise ease of use to the highest level by opening or closing and locking your sliding door completely automatically. Even programming specific opening widths or an automatic timer is child's play. Many components are fully concealed in the "DRIVE axxent" version.

With the SI Comfort app, you can also conveniently operate your sliding door via smartphone or tablet. All additional information can be found on page 48.



**Glazing down to the threshold level
for a particularly clear design.**

ECO PASS SKY for Lift & Slide systems

Opt for a design solution that optimally supports a bright and cheerful room atmosphere. The seamless transition of the glass elements to the floor and the narrower sash profiles removes the boundary between the inside and outside and makes your living space appear larger. When the sash is open, the minimum threshold height provides absolute barrier-free accessibility.

For sliding doors made of timber-aluminium and timber.



Door systems: Sliding doors

Live securely without bounds.

SECURITY

Anti-intruder protection on a grand scale for your sliding doors.

Anti-intruder protection up to RC2

Patio doors in particular offer burglars large surfaces that are open to attack and often a good visual cover because of hedges or fences. Play it safe and protect yourself with modern SIEGENIA security hardware that ensure high burglar resistance. Operation remains absolutely smooth.

Robust locking elements

Special locking hooks, locking bolts or locking cams make it difficult to pry open the sash. Thus even the basic configuration will ensure a level of basic security that is also ensured for the night vent. For the resistance class RC2, the number of locking elements is adapted to the requirements and striker plates made of special steel are used.



Resistance class RC1

For hard to access sliding doors. Basic protection against break in attempts with physical violence and vandalism.

Resistance class RC2

Recommended by the criminal investigation department. Additional protection against simple tools like screwdrivers.

In terms of security, everything under control.

Lockable handles and drives

These not only makes prying these open difficult, but also burglary attempts where the perpetrator smashes a small hole into the glass pane or glass seal in order to open the sliding door with the handle.



Integration into alarm systems: VdS tested up to class C.

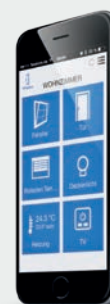
AEROCONTROL

To support mechanical burglar resistance, you can also monitor our sliding doors electronically. Hidden integrated magnetic switches report any undetected security risks of open or poorly locked sliding elements to your central surveillance or alarm system.

Very simply more control: Monitoring per app.

iWindow

The user-friendly app solution iWindow lets you monitor the opening status of your sliding door conveniently via your smartphone. To do this, a wireless window sensor is attached to the frame and a magnet to the sash which report the respective window status to the iWindow gateway and display it in the app at a glance.



Door systems: Sliding doors

Don't scrimp on room comfort, but with your heating costs.

ENERGY EFFICIENCY

Optimal thermal insulation for Lift & Slide systems.

ECO PASS threshold

The barrier-free ECO PASS threshold liberates you from excessive heating costs. Because under the flat threshold lies a well-designed 10-chamber profile with excellent insulation properties. It therefore has very good thermal insulating properties and provides you with the ideal prerequisites to save plenty of energy. The risk of condensation is thus significantly reduced as well. Barrier-free accessibility, design and energy efficiency perfectly interconnected: That's room comfort.

For sliding doors made of timber-aluminium, timber and PVC.

Saving energy because of high airtightness.

Passive house compatible solutions

Airtightness the name of the game for low thermal transmittance values. That's why our door systems feature numerous special solutions. In the lift-slide field, this not only involves the clever threshold but also the thermally separated sealing rail used on two sash sides. With their high contact pressure, our locking systems also play an important role in saving energy comfortably and securely.





Door systems: Entrance doors

Protection starts at your door.

SECURITY

Doors with multiple security features: The nightmare for any intruder.

KFV multi-point locks

Poorly secured house or apartment doors are more popular than ever with burglars. In contrast, doors with KFV multi-point locks are a nightmare. Because additional locking points above and below the main lock extends their burglar resistance across the entire height of the door. This will put a stop to any burglars many times over. Specifically: massive steel pins, clawing hook bolts or the perfect combination of both. Prying these open is nearly impossible!

Multiple protected locking is easily done from the main lock. Or, with our automatic locking systems, is already done simply by pulling the door shut.



Anti-intruder protection up to RC4

The police recommended at least resistance class RC2 for entrance doors. With the SIEGENIA quality brand KFV, solutions up to RC4 and VdS class C are also possible. All with one goal: Stealing time from the burglar. Because after two to three minutes almost every perpetrator will give upon their burglary attempt.

**Resistance class RC2**

The doors offer effective resistance for up to 3 minutes against screwdrivers, pliers and wedges.

**Resistance class RC3**

The doors also withstand burglary attempts with heavy tools like crow-bars for up to 5 minutes.

**Resistance class RC4**

Additional protection against sawing and impact tools as well as a cordless drill.



Door systems: Entrance doors

Highest intrusion protection through intelligent doors.

SECURITY

Rely on your fingerprint.

KFV Fingerprint

The human need for security is as individual as a fingerprint. This is not only unique, you always have it at hand. What could be better than using your fingertip as your personal security key? Because this is by nature already superior to conventional keys, cards and codes.



Integrate VdS tested entrance doors in alarm systems.

Bolt switch contact

You want to connect your entrance door with an alarm or surveillance device? Then the KFV bolt switch contact is the optimal solution for you. The system reliably controls the opening and locking status of the door. It is invisible from the outside, certified to VdS class C and can be used in all KFV multi-point locks with a hook bolt.





**Additional protection
when opening the door.**

Door arrester

You don't have to immediately open your door up all the way to every stranger. You can also open it only a crack in the secured state: Our integrated locking lever can be easily activated by swivel knob and unlocked only by authorised persons from the outside via the main lock.



Door systems: Entrance doors

At the door you can already feel that it's your home.

SECURITY & COMFORT

That's how convenient burglar proof is: keyless ease of use.

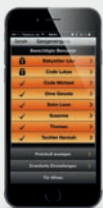
Automatic function

Are you tired of always having to look for your key at your own front door? And, barely with your foot out the door, having to think about locking it again? If so, then an automatic multi-point locking system is the right solution for you.

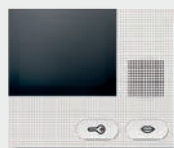
Whether quickly and conveniently by remote control, with your mobile phone or fingerprint: Enjoy the convenience of unlocking your door completely automatically. In combination with a motorised door drive, it will even open itself automatically for you.

As soon as you pull your door into the lock, it will lock itself securely behind you. This way, the burglar resistant properties of our multi-point lock comes into full effect whenever you want.

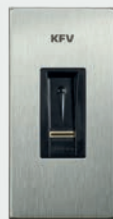
Multi-point locking systems with an automatic function offer numerous control options:



Via the Bluetooth function of your mobile phone and the KfVkeyless app



Via your intercom

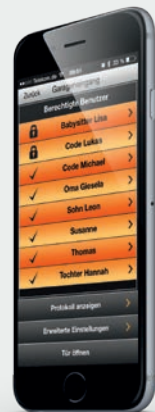


Via the biometric identification of your fingerprint with KfV Fingerprint

Open sesame: Mobile access rights.

The app solution KfVkeyless

With KfVkeyless, your door knows that it's you, and opens all by itself. Unlocking happens keyless via the Bluetooth function of your mobile phone as soon as you're within range of the door equipped with automatic multi-point locking. As a safe alternative, you can also enter your code in the keypad on the door at any time. You manage the individual access rights conveniently via the app.





Door systems: Entrance doors and interior doors

Robust technology in a sleek design.

COMFORT & DESIGN



For sure a perfect design.

Concealed door hinges

Do you love a timeless, elegant design? Then our axxent door hinge opens up new possibilities for aluminium doors. Because here the door hinges are completely concealed inside the aluminium profile and thus completely invisible when the door is closed. The axxent door hinge combines the highest design standards with robust technology.



Exceptionally beautiful interior doors.

Magnetic lock

Provide clear aesthetics without corners and edges: With the KfV magnetic lock, the latch lies flush in alignment with the gear box when the door is open. It is pulled into the frame part by special magnets only when the door is closed and thus remains virtually invisible.



Whisper quiet locking without maintenance.

Soft lock latch

Not only can modern locking convenience be felt – it is also a matter of acoustics and, ideally, absolutely maintenance-free. With our soft lock latch, you can at best hear a quiet clicking noise when closing the door. To this end the main lock latch is equipped with an abrasion-resistant plastic sheath.



Three dimensions and four walls result in a space. But still no living space. Because it is a dynamic construction made up of many factors and features. To link these intelligently, that's room comfort.

Comfort



Smart Home

The smartphone and tablet will be the central control elements of modern living in the future. A future that SIEGENIA is helping to shape. Doors, windows and ventilators can now be controlled and managed by our solutions. And soon you will be able to operate even many more room comfort functions with just a single tap of your finger.

systems

Ventilation and energy efficiency

Today, modern building envelopes are – thanks to our window and door hardware – so tight that ventilation has taken on a new importance. Its primary focus is on health, on breathing clean, dust and pollen free fresh air. But proper ventilation is also crucial in retaining the value of the property to prevent mould growth for example. Intelligent window ventilators, which can be integrated in and on the window virtually invisibly, powerful wall-mounted ventilators or motorised window drives permit user-independent and demand-controlled ventilation. This way, SIEGENIA creates room comfort you can breathe.

Comfort systems

The new ease of living.

SMART HOME

App control:
Your smartphone becomes a remote control.

SI Comfort app

Sometimes, we just want to find a cozy place in the house and relax a bit. But no sooner have you hit the couch do you suddenly notice the stuffy air in the room or that someone's ringing at the door. You could just sit back and simply pick up your smartphone. Because "this and that" around the house could now be quite easily be taken care of per app. With the SI Comfort app, your SIEGENIA systems at home are now within easy reach anytime and can now optimally operate these over Wi-Fi with your smartphone or tablet. You will be surprised how easy it is.



Opening and closing windows



Opening and closing sliding doors



Opening and closing doors



Controlling ventilators



**Control via intelligent sensors:
Ventilate automatically demand-controlled.**

SENSOAIR

Imagine a home where you no longer have to think about ventilation every day, but always have good indoor air. This added room comfort is generated by clever networking. You can, for example, connect our air quality sensor SENSOAIR to a motorised ventilator like the AEROPAC. Without much effort you can thus create a ventilation system that ventilates intelligently and demand-controlled. Spent and bad air (VOC) is immediately detected to automatically improve the quality of your indoor air through controlled air exchange.



The intelligent air quality sensor for activating window and wall-mounted ventilators



Comfort systems

There are certainly more attractive burglary targets than a home with intelligent security technology.

SMART HOME

App monitoring:
A secure eye on everything at all times.

iWindow

When windows or doors stand open unnoticed, burglar-proof hardware is useless. With the app solution iWindow, a quick glance at your smartphone is enough to control their opening status. This works using a radio sensor and a magnetic clip which are invisibly integrated in the window or the door and connected to your network.



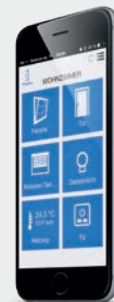
Monitoring
windows



Monitoring
sliding doors



Monitoring
doors



Integration into surveillance systems and building automation.

AEROCONTROL

With AEROCONTROL, you integrate your windows and sliding doors into a central monitoring or alarm system. Thanks to reliable technology, you can, depending on the version, not only control the opening state, but proper locking as well – for security solutions up to VdS class C.

When it comes to saving energy, too, AEROCONTROL supports you by automatically closing the thermostat valves on your radiators when a window is open. This avoids unnecessary heat loss, saves money and protects the environment.



Integrating windows
and sliding doors into
intrusion alarm systems



Turning down radiators
when windows are
open



Comfort systems

How you ventilate is how you live.

VENTILATION & ENERGY EFFICIENCY

Intelligent ventilation: Quietly and efficiently ensure healthy fresh air.

Protection against mould and moisture damage

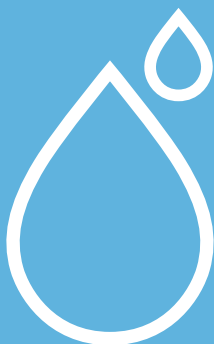
Well controlled, healthy indoor air is not only good for your personal well-being, it also protects the structure of your own four walls - against moisture and mould. To achieve this, tight building envelopes require sufficient air exchange several times a day. But with intelligent window and wall-mounted ventilators you don't have to do that yourself but can let your windows and walls "breathe" for your home.

Protection against noise and air pollution

Your home can offer you the chance to enjoy fresh and clean air without letting road or rail traffic acoustically into the house when ventilating. Where conventional window ventilation reaches its limits, upscale comfort and convenience begins with AERO ventilation systems. It boasts a reassuringly high sound insulation which ensures a relaxed room atmosphere and a restful night's sleep. It also employs clever filter technology which lets pollen and fine dust allergy sufferers breathe easier.

10.

About 10 litres of water vapour accumulate daily in a four-person household.



10 db

A mere 10 dB increase in nighttime noise pollution is perceived as a doubling and increases the risk of cardiovascular disease by 50 %.



The solution for greater energy efficiency

In order to noticeably save energy, a high degree of thermal insulation is important – but that's only the beginning. Because with the help of modern ventilation units, you can also avoid directly forfeiting that saved heating energy again when opening the window. Our energy-efficient ventilation systems not only offer you air throughput that can be flexibly adapted to your daily demand, but, depending on the model, also open up to the opportunity for heat recovery as well.

Secure ventilation with the window closed

The ability to ventilate with the window closed not only reduces your expenses but also your burglary risk. So you can confidently provide fresh air even when you're away. Because whether opened or tilted: Unlocked windows can be defeated in seconds. That's how every burglar sees it and your insurance company therefore as well.

73 % Our ventilators with heat recovery have a heat recovery rate of up to 73%. This noticeably reduces your heating costs – and saves money.



46 % After a burglary, 46% of victims report about feeling insecure in their normal environment over a long period of time.



Comfort systems

The key to greater room comfort lies in your air.

VENTILATION & ENERGY EFFICIENCY

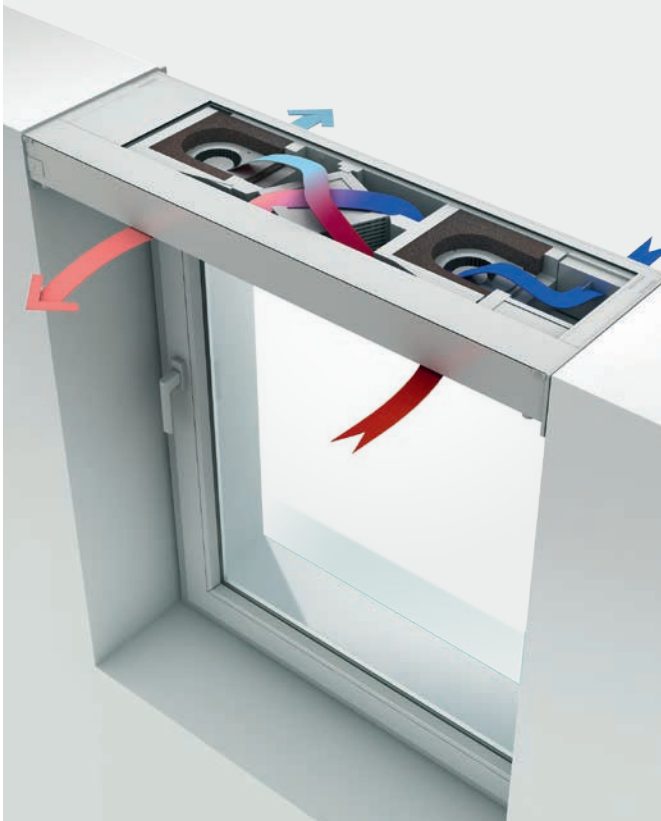
Ventilators in or on your window: perfectly integratable service packages.

Ventilator powered window ventilators

Our high quality window ventilators can be integrated flexibly and almost invisibly around your windows and ensure an all-around healthy room air atmosphere. In doing so, their performance capabilities extend far beyond mere ventilation. Depending on the model, clever air filters and an automatic humidity and CO₂ control are also included. For example with the AEROMAT VT with heat recovery, which transfers the heat from the spent indoor air onto the incoming fresh air thereby nicely preheating it. The oxygen content remains high – your energy costs are reduced. This way, you do not save on the quality of your indoor air, but on your heating costs.

Ventilation from the natural pressure differential

You can also create a healthy and sound-insulated room atmosphere with our compact passive ventilators. These use the natural pressure differential between the outside air and spent indoor air to regulate the exchange of air. Whether with the AEROMAT mini, which is almost completely concealed in window rebate, or the AEROMAT midi HY, which is built into the frame and/or the sash and combines high air throughput with an integrated humidity control: The look is modern discreet, installation is especially flexible and the fresh air supply is naturally demand-controlled.



Wall- and tube-mounted ventilators: modernisation friendly all-rounders.

Powerful wall-mounted ventilators

Regarding modernisation projects in particular, much can be said about implementing powerful wall-mounted ventilators. Its installation, operation and maintenance? Distinctly simple. Its air throughput, filtering action and sound absorption? Exceptionally high. It is therefore no accident that our AEROPAC has proven its worth in more than 100,000 cases against increasing noise and environmental pollution. And thus a great deal more often lies behind a clear design: With our AEROVITAL ambience, for example, it is the ability to not only react to your smartphone but also, thanks to its integrated air quality sensors, automatically to your requirements as well.

Intelligent pipe wall ventilators

Little effort, big impact: In the "category" of modern pipe wall ventilators, AEROTUBE sets the tone. All of its technology is in the wall, more specifically: hidden in the tube. As a demand-controlled exhaust and air supply unit with integrated heat recovery, AEROTUBE is generally used in pairs.

Its special feature: The devices communicate not only with your smartphone, but also with each other via Wi-Fi, which significantly simplifies wiring.





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