

**DRIVE** is the engine of  
**comfort<sup>3</sup>**

Motorised drives and electronic control  
systems for more convenience and security.

Window systems

Door systems

Comfort systems

We bring spaces to life.



## DRIVE sets visions in motion.

Three dimensions and four walls result in a space. But still no living space. Because a living space represents a dynamic entity incorporating many factors and functions: security, comfort, health, aesthetics, sustainability, energy efficiency and much more. But the focus is always on people.

In short, a space is a system. Motorised drives and electronic control and monitoring are part of this system, ensuring that spaces become alive and people feel comfortable in them. Living spaces.

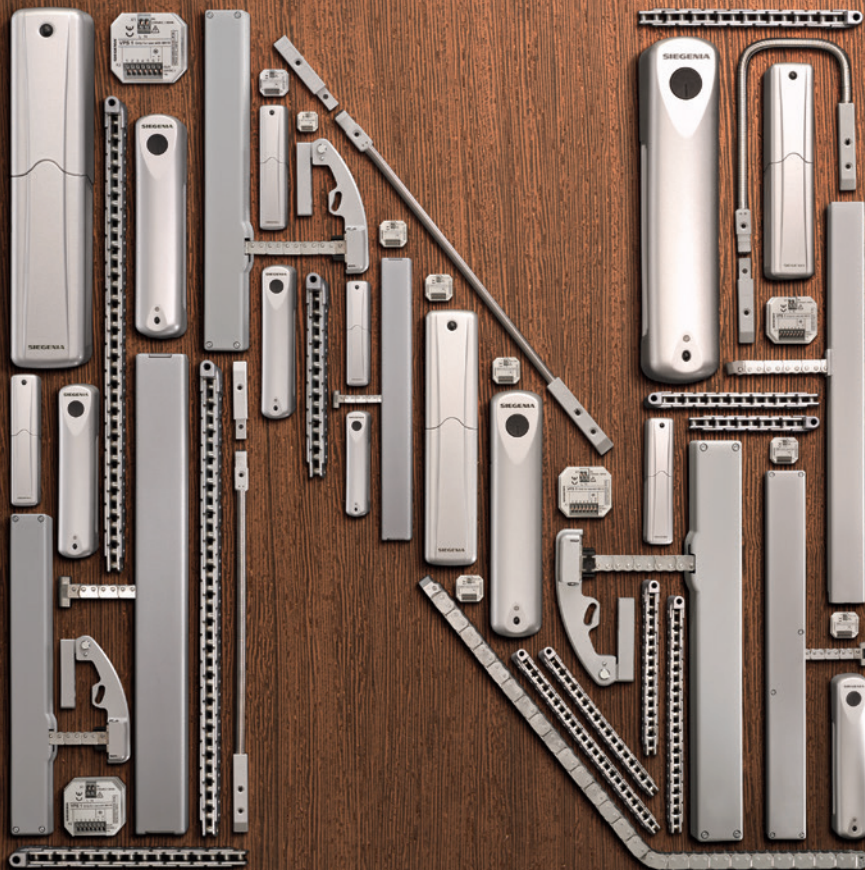
This kind of thinking in terms of systems has a long tradition at SIEGENIA. Today, we are the leading system provider of room comfort: with window, door and comfort systems. Windows that are connected to the climate control and intruder alarm system, and doors with customised access rights, are just two examples of the room comfort features that the future is set to bring.

Room comfort is thus no longer the sum of many detailed solutions, but the result of a holistic approach. To convert diverse requirements, expectations and needs into innovative and marketable solutions is what drives us. For example, with our DRIVE domotics.

DRIVE includes intelligently networked and integrated drive, monitoring and control solutions in building control technology for windows, doors and sliding doors – or in short, the future of room comfort. It's a future in which you can still count on SIEGENIA to offer the greatest possible flexibility and simplified procedures when it comes to assembly and retrofitting.



We couldn't have done it  
without Newton.



# The desire to improve quality of life is the driving force behind everything we do.

Our motor drive solutions are all designed with the aim of making people's lives more convenient, with easy-to-operate systems that they can benefit from on a daily basis. Whether it's a heavy-duty system for sliding doors, a concealed chain drive motion, or a universal motorised handle for a window, our high-quality solutions always make life more comfortable and convenient for their users, and always enhance the value of the property. Whether they are fitted in detached houses, apartment buildings, holiday homes, schools, nurseries, nursing homes, hospitals, office buildings or hotels, there are always plenty of good reasons for choosing our systems.

For example: the convenience of operating sliding doors and windows by remote control. The ease of opening and closing hard-to-reach windows automatically. The healthy indoor environment created by regular, controlled – and therefore energy-efficient – ventilation. The compactness of our drive systems, some of which are fully concealed, and which can blend into any style of architecture or facade and be easily integrated into the building control technology. You can find out all about these – and much more besides – in this brochure.



#### **DRIVE axxent HSA**

Partly concealed drive system for lift & slide elements



#### **DRIVE MHS400**

Drive system for lift & slide elements



#### **DRIVE MSA400**

Drive system for sliding elements



#### **DRIVE AXXENT DK**

Concealed turn-and-tilt drive with locking function



#### **DRIVE AXXENT**

Concealed chain drive motion



#### **MH10**

Motorised handle for turn-and-tilt as well as parallel action windows



#### **HARDWARE LOCK**

for skylights

Lift-slide system  
DRIVE axxent HSA  
with concealed lift  
drive.



**A CLEVER COMBINATION: THE DRIVE axxent HSA  
LIFT-SLIDE SYSTEM FEATURING A CONCEALED  
DRIVE OPENS AND CLOSES ELEMENTS WEIGHING  
UP TO 400 KG AUTOMATICALLY AT THE PRESS OF  
A BUTTON.**

## Minor detail – major effect.



A design element for living concepts in which aesthetics matter, the fully automatic DRIVE axxent HSA lift-slide drive makes a real impression when it comes to ease of use too: 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 stainless steel button, creates a highly attractive look.

The sash can be opened and closed by means of this stainless steel button, infrared remote control, or the easy-to-use Comfort app. This 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 as per DIN 18025 is also possible. Assembly is almost as easy as in the case of the familiar MHS400 slide drive.

### Benefits for fabricators:

- Suitable for sashes weighing up to 400 kg
- Automatic programming, night vent secured with locking bolts, programmable opening width, timer facility
- Rapid installation: drive pre-installed; plug & play system

### Benefits for users:

- Modern, unobtrusive design thanks to concealed lift drive and flat stainless steel operating button
- Sliding and locking at the press of a button
- Motorised night vent
- Option of a limited opening width
- With infrared remote control and wall bracket
- Smart version can be operated with the SI Comfort app
- Smooth start and stop motion
- Electronic anti-trap protection feature conforming to relevant standards
- Operable by wheelchair users and conformant with DIN 18025 if used in conjunction with the flat threshold

### Safety benefits:

- Meets current user safety standards
- Highly effective, comprehensive 'anti-trap' protection concept as per DIN 18650-1 and 2 and DIN EN 60335-1 with internationally-recognised CB certification



**AUTOMATED LOCKING, UNLOCKING, OPENING AND CLOSING OF THE LIFT & SLIDE SASH FOR CONFIGURATIONS A AND C.**

MHS400 motorised  
lift & slide system.



**THE MHS400 LIFT & SLIDE SYSTEM MAKES LIGHT  
WORK OF HEAVY SASHES, AUTOMATICALLY  
OPENING AND CLOSING UNITS WEIGHING UP  
TO 400 KG.**



## MHS400. Moving moments in prospect.



Large glazed window areas can transform a building, imbuing the exterior with a sense of lightness, while filling the interior with daylight. To ensure that the visual lightness of the design does not make windows seem difficult to operate, we have invented the MHS400 lift & slide system. Its motor drive system opens or closes the lock on the sash and slides the windows across into the desired position, which is set from a convenient remote control. Ideal for discerning users who require the utmost convenience due to

mobility impairments. MHS400 can be used to power glazed areas of up to 13 metres in width. It is the only product of its kind to be able to move single and double-leaf lift & slide units weighing up to 400 kg. The flat threshold ensures barrier-free access, while the programmable night vent creates a healthy living environment. MHS400 is also perfect for retrofitting, because it is not dependent on the make of hardware and profiles.

### Benefits for fabricators:

- Suitable for all applications irrespective of hardware manufacturer
- Can be easily retrofitted to almost any profile type or system
- No need to replace hardware
- No complicated profile milling required
- Suitable for sashes weighing up to 400 kg
- Automatic programming, night vent secured with locking bolts, programmable opening width, timer facility
- Rapid installation: drive pre-installed; plug & play system

### Benefits for users:

- Contemporary, unobtrusive design
- Motorised night vent
- Option of a limited opening width
- Electronic anti-trap protection feature conforming to relevant standards
- Easy, manual emergency operation in the event of a power failure
- With infrared remote control
- Smart version can be operated with the SI Comfort app
- Smooth start and stop motion
- Operable by wheelchair users and conformant with DIN 18025 if used in conjunction with the flat threshold

### Safety benefits:

- Sets new user safety standards
- Highly effective, comprehensive 'anti-trap' protection concept as per DIN 18650-1 and 2 and DIN EN 60335-1 with internationally-recognised CB certification



**AUTOMATED LOCKING, UNLOCKING, OPENING  
AND CLOSING OF THE LIFT & SLIDE SASH FOR  
CONFIGURATIONS A AND C.**

Motorised  
sliding system  
MSA400.



UNIVERSALLY APPLICABLE - THANKS  
TO ITS CONTEMPORARY, UNOBTRUSIVE DESIGN.

So simple.  
So convenient.



Sliding elements with large glazed surfaces are setting architectural trends and enhancing quality of living. This is particularly true with the automatic MSA400 drive for sliding elements, which can open and close sliding doors weighing up to 400 kg. The desired position can be set using the convenient remote control.

Like the MHS400, the MSA400 can be used to power large glazed doors of up to 13 metres in width. The MSA400 is suitable for retrofitting and can be used with the GENIUS multi-point lock from KfV, or fabricators' own locking systems and drives.

#### Benefits for fabricators:

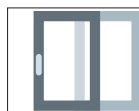
- Can be easily retrofitted to almost any profile type or system
- No restriction on entrance height
- No complicated profile milling required
- Suitable for sashes weighing up to 400 kg
- Automatic teach-in, programmable opening width, timer facility
- Rapid assembly: pre-assembled drive and easy fitting of sash catch

#### Benefits for users:

- Contemporary, unobtrusive design
- Automatic intermediate position
- Option of a limited opening width
- Electronic anti-trap protection feature conforming to relevant standards
- Infrared remote control available
- Smart version can be operated with the SI Comfort app
- Smooth start and stop motion
- Operable by wheelchair users and version available for use in conjunction with flat threshold

#### Safety benefits:

- Sets new user safety standards
- Highly effective, comprehensive safety concept as per DIN 60335-2-103 and DIN EN 60335-1



**AUTOMATED OPENING AND CLOSING OF THE  
SLIDING SASH FOR E.G. CONFIGURATION A.**

Concealed  
turn-and-tilt drive with  
locking function  
DRIVE axxent DK.



**HIGH PERFORMANCE BEHIND THE SCENES:  
ELECTRIC LOCKING, UNLOCKING  
AND TILTING OF WINDOWS.**

## A slick mover.



If you select the right technology, you don't have to choose between great comfort and convenience, ease of assembly and stylish design. The adaptable, stylish drives in our DRIVE axxent product range, for example, not only let you easily open and close windows and skylights that would otherwise be difficult to reach, but also fit easily into any production process. The DRIVE axxent DK features first-class design and functionality, and an easy-to-install drive for turn-and-tilt windows made of timber, PVC or aluminium.

Completely integrated into the frame profile, it enables fully automated, controlled window ventilation. This product allows fresh air to be brought in from the outside in residential and commercial properties, enhancing both the quality of living and the property value. DRIVE axxent DK is easy to control using a push button, wireless connection or infrared remote control. It can also be integrated seamlessly into the building control technology and operated and monitored using iWindow, the clever app-based solution for secure windows.

### Benefits for fabricators:

- Universally suitable for tilt & turn windows made from timber, PVC and aluminium
- Easy to install; can be adjusted even after installation
- Integrates seamlessly into building control technology, ventilation systems and iWindow
- An unlimited number of drives can be connected to each other simultaneously
- Closing speed meets applicable safety requirements

### Benefits for users:

- Motorised locking, unlocking and tilting at the press of a button on an infrared remote control, using iWindow, or via building control technology
- Fully concealed technology combines perfect design with maximum convenience
- Fast opening speed
- Can be operated manually even if it has been tilted or locked automatically
- Opening width: 120 or 150 mm
- Smart version can be operated with the SI Comfort app



CHAIN DRIVE MOTION FULLY CONCEALED IN THE FRAME PROFILE.



ELECTRIC LOCKING AND UNLOCKING.

DRIVE axxent  
concealed  
motion chain drive.



DRIVE axxent MAKES IT EASY TO TILT  
HARD-TO-REACH SKYLIGHTS.

Easy  
elegance.



With its large opening width of 350 mm, DRIVE axxent allows convenient, effective ventilation by tilting hard-to-reach skylights by as much as 350 mm. Like DRIVE axxent DK, it can be controlled in a variety of ways – from push button to wireless and infrared remote control. And it can even be integrated easily into building control technology and iWindow if desired. With DRIVE axxent, only an unobtrusive cover hints at the possibilities that lie beneath.

Otherwise DRIVE axxent is fully concealed, making it a highly effective solution not just technically, but aesthetically as well. A solution carefully designed for compatibility with diverse window systems and profiles, to maximise creative freedom for architects and designers in the long term. DRIVE axxent is great for installers, too, thanks to its ease of handling.

**Benefits for fabricators:**

- Universally suitable for timber, PVC and aluminium skylights
- Integrates seamlessly into building control technology and iWindow
- Up to eight drives can be connected to each other simultaneously
- Easy installation
- Casing depth of just 34 mm permits integration in standard profiles

**Benefits for users:**

- Motorised skylight tilting at the press of a button, via the building control technology or using iWindow
- Mechanism is entirely concealed apart from an unobtrusive cover
- Large (350 mm) opening width
- Ideal for sophisticated facades where a high level of convenience is required



**CONCEALED DRIVE FOR MEETING SOPHISTICATED DESIGN CRITERIA.**

MH10  
motorised handle.



**OPEN AND CLOSE WINDOWS  
AT THE PRESS OF A BUTTON.**



Bright ideas.



Convenience is not a luxury. It is the intelligent enhancement of everyday living. The MH10 motorised handle is a classic example: It opens and closes windows quickly and quietly with just a simple press of a button, either on a remote control or using a dedicated switch. Naturally this makes it particularly convenient for hard-to-reach windows and skylights.

But it would be a shame to miss out on the benefits of the MH10 when operating other windows in the house. For example the 10-minute automatic ventilation function, which promotes a healthy indoor environment but also saves money by ensuring that windows are only open for as long as actually needed.

**Benefits for fabricators:**

- Universally suitable for tilt-only and tilt & turn windows with handle-controlled stays
- Can be retrofitted quickly and easily to virtually all profiles and materials without milling
- Disconnectable cable link
- Flush-mounted 24 V power supply unit
- Integrates easily into the building control network
- Conforms to DIN 18030 (Barrier-free construction)

**Benefits for users:**

- Ideal for hard-to-reach windows and skylights
- Modern, compact, elegant, unobtrusive design
- Infrared remote control with wall bracket
- 10-minute automatic ventilation function and group control
- Fast yet silent operation
- Manual emergency operation without the need for tools
- Can be used in conjunction with weather sensors



**INFRARED  
REMOTE CONTROL.**

**DISCONNECTABLE  
CABLE LINK.**

**MANUAL EMERGENCY  
OPERATION.**

**FAST, SIMPLE  
INSTALLATION.**

Hardware  
lock.



**CONVENIENT, INTELLIGENT CONTROL OF  
CONTEMPORARY SKYLIGHTS.**

## The clever drive.



Meet the hardware lock. It allows skylights to be opened, closed and locked with just one chain drive motion. This multi-talented product works with timber, aluminium and PVC tilt-only and side-hung windows, is easy and practical to use, and its simple design means it fits effortlessly into the available space. It is at its very best in narrow, high ventilation sashes that require a tight seal in the hardware due to the size of the sash.

But it also does sterling work when fitted to wide window sashes. Even the installation of this innovative locking system is a piece of cake, thanks to a convenient drilling jig. This can be combined with TITAN hardware and complemented by the Ventic VDC motion chain drives from the DRIVE range.

### Benefits for fabricators:

- Universally suitable for timber, PVC and aluminium tilt and side-hung windows
- Opens up new possibilities for commercial projects
- Easy to install, features a helpful drilling jig
- No second chain drive motion required

### Benefits for users:

- Opens, closes and locks at the push of a button
- Simple, practical operation
- Unobtrusive design



**MULTI-TALENTED AND HIGH-PERFORMANCE:  
JUST ONE CHAIN DRIVE MOTION IS ENOUGH  
TO OPEN, CLOSE AND LOCK A WINDOW.**

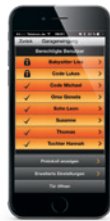
Even buildings demonstrate  
their intelligence.



# Comfort, convenience, security – it all takes brains.

An intelligent building is one that takes initiative. That automatically responds to external influences, and is easy to control and monitor from a mobile device. The electronic building control and monitoring system iWindow has been designed to facilitate exactly that, as well as ensuring windows are secure, it allows network integration of sensors, ventilators and drives irrespective of manufacturer, transforming your smartphone or tablet into a smart home control centre in no time at all. Then there's KfVkeyless – another convenient, mobile system, this time designed specifically for doors. It uses a Bluetooth connection to lock and release mechatronic locking systems securely and easily.

Another product testifying to the diversity of technology available today is AEROCONTROL, which saves energy by automatically closing the thermostatic valves on radiators if it detects that windows are open. It's all part of our understanding of the "smart home". As a complete system supplier, SIEGENIA offers a wide range of cutting-edge technology which means smart solutions of this kind are no longer available only for commercial buildings, but for high-end residential properties, too – and in particular for retrofit projects. The following pages reveal how our electronic and sensor systems can make life more convenient, secure and energy-efficient.



**iWINDOW**  
App-based window security system

**KfVKEYLESS**  
App-based door security system

**SI Comfort app**  
App solutions for device control



**KfV FINGERPRINT**  
Biometric access control

**SENsoAIR**  
Air quality sensor

**AEROCONTROL**  
Monitoring of open/locked state of windows

**SAFETY EXTRACTION SWITCH**  
DIBt-approved

The app-based  
solution for secure  
windows and doors:  
iWindow.



THE ELECTRONIC CONTROL AND  
MONITORING SYSTEM WITH AN APP –  
FOR SMARTPHONE OR TABLET.

Simple, smart,  
secure.



For a security specialist, the first step in securing a window is to ensure that it meets resistance class 1. For a user, on the other hand, the first step is to shut the window. Because when windows are left open, even the most state-of-the-art security fittings count for nothing. SIEGENIA now offers its iWindow electronic control and monitoring system to make sure users benefit from our sophisticated burglar resistant fittings for windows and doors every time. This user-friendly, app-based solution can be quickly and easily retrofitted on almost

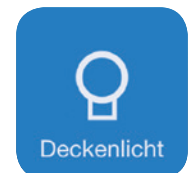
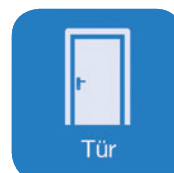
all SIEGENIA hardware. It allows you to keep an eye on your windows from any location, at any time, and opens up entirely new possibilities for security and comfort. iWindow can be programmed with add-on products from different manufacturers so that during a burglary attempt, for example, all shutters are automatically shut down or outdoor lighting and the TV are turned on. An optional language module automatically reminds you of an open window or door in the house when leaving the house - without having to look at the app.

#### Benefits for fabricators:

- Easy-to-install transmitter and one magnetic clip per window or door
- Can be retrofitted quickly and simply on almost all SIEGENIA hardware
- Easy, intuitive component start-up by an installation wizard integrated in the app
- No cable routing required from wireless components
- Smart optional accessories that win over customers in consulting and sales work

#### Benefits for users:

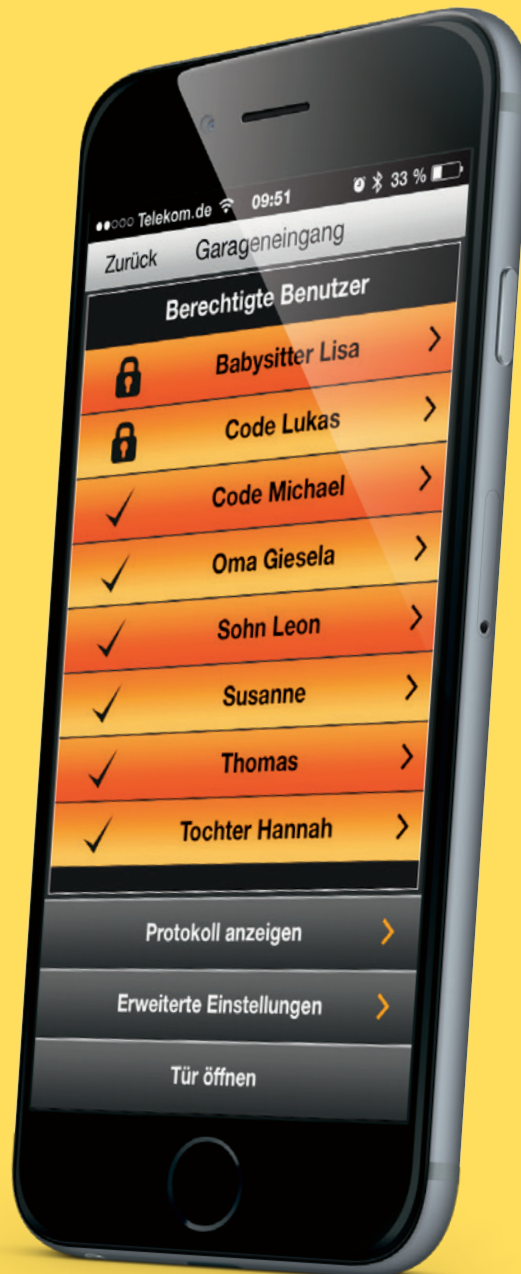
- Reliable monitoring of open windows and doors to complement mechanical burglar resistance fittings
- Window sensor reacts, in contrast to simple magnetic contacts, directly in the event of a burglary attempt on the window
- False alarms, such as the kind the police experience, are prevented
- Easy, intuitive component start-up by an installation wizard integrated in the app
- Easy retrofitting of components since it is a wireless system
- Enables network integration of sensors, ventilators and drives irrespective of manufacturer



**iWINDOW MAKES FOR A SAFE, COMFORTABLE AND ENERGY-EFFICIENT HOME:**

**MONITORING WINDOWS AND DOORS, ACTIVATING A SMOKE DETECTOR, REPORTING BROKEN GLASS OR PROVIDING SWITCHABLE SOCKETS WITH POWER CONSUMPTION MEASUREMENT.**

The app-based  
solution for secure  
doors: KfVkeyless.



EASILY MANAGE ELECTRONIC ACCESS RIGHTS  
FROM A SMARTPHONE APP, AND BENEFIT FROM  
CONTACT-FREE DOOR ENTRY VIA BLUETOOTH.



Look,  
no hands!



Demand – and with it, the market – for intelligent keyless access control systems is growing, both for state-of-the-art commercial projects and high-end residential properties. Now the user-friendly solution KfVkeyless has arrived; the first solution of its kind to combine convenience and reliability of operation with ease and clarity in managing access rights. The electronic monitoring system enables mobile devices to be used in two respects. Open Sesame: as soon as a mobile phone, with activated

Bluetooth mode, is brought within range of the receiver integrated in the door leaf, the system authenticates the Bluetooth ID of the phone and automatically opens the door. Alternatively the door can be opened at any time without a mobile phone, by entering a code on the keypad. In addition, for even greater user-friendliness, the mobile phones and door codes stored can be managed conveniently and simply whilst on the move from a smartphone or tablet.

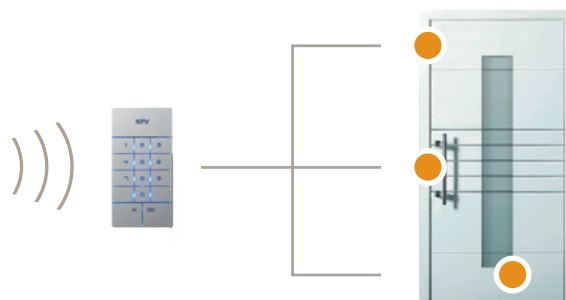
#### Benefits for fabricators:

- App-based solution consisting of:
  - KfVkeyless app for iPhone, iPad or Android
  - KfVkeyless access control system (Bluetooth receiver with additional keypad and relay cable)
- compatible with the following KfV multi-point locks: GENIUS, AS 3500 with automated latch release
- Cutting-edge solution for door security with all the convenience of contact-free operation

#### Benefits for users:

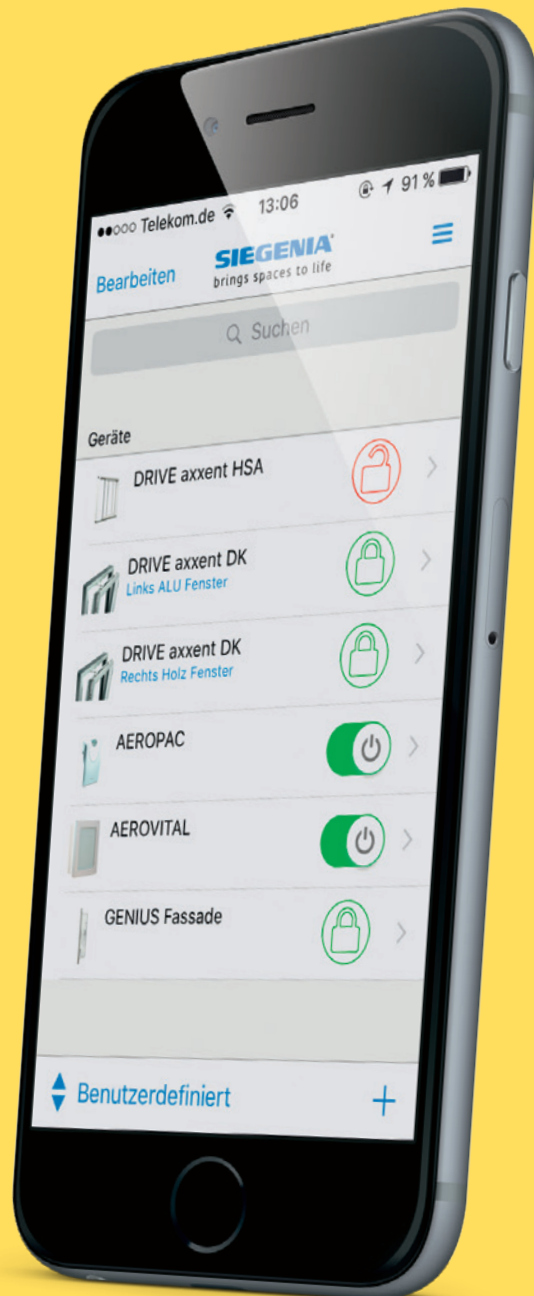
- Reliable electronic access control system, complementing conventional intruder resistance components
- Contactless opening of doors via smartphone Bluetooth function – or, alternatively, by entering a code on the keypad
- Ingenious app lets you manage access rights from a smartphone or tablet: stores up to 45 smartphones with Bluetooth connectivity

**KFV**



**THE RECEIVER AUTHENTICATES THE SMARTPHONE'S BLUETOOTH ID AND AUTOMATICALLY OPENS THE DOOR.**

The app-based  
solution for  
convenient device  
control: SI Comfort.



THE SI COMFORT APP ALLOWS MULTIPLE  
SIEGENIA PRODUCTS TO BE CONTROLLED  
EASILY USING A SMARTPHONE, TABLET OR PC.  
EACH DEVICE STATUS IS DISPLAYED.

Pure convenience:  
One app controls  
everything.



Convenience starts with easy operation: the SI Comfort app of SIEGENIA allows you to operate a range of SIEGENIA devices using your own smartphone, tablet or laptop. This removes the need for individual control from a 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 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 Wi-Fi-enabled (smart) version of each device, which can either be used as an off-grid stand-alone solution or integrated into the local Wi-Fi network.

**Benefits for fabricators:**

- Smart optional accessories that win over customers in consulting and sales work
- Easy installation
- Easy, intuitive component start-up by an installation wizard integrated in the app

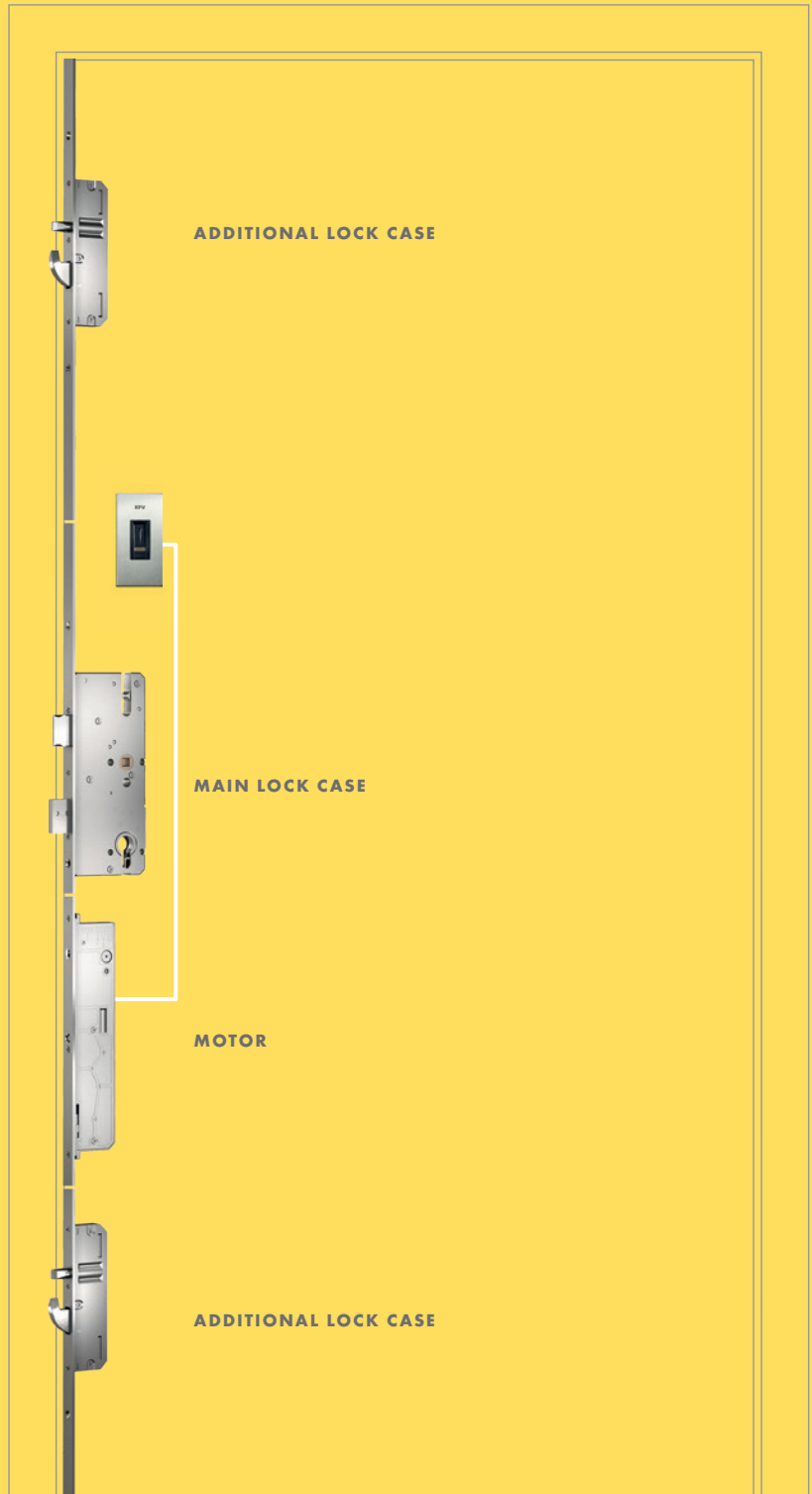
**Benefits for users:**

- Convenient operation of SIEGENIA devices using a smartphone, tablet or laptop, either as a stand-alone solution or integrated in the local Wi-Fi network
- No need for additional remote control
- Perfect control thanks to feedback about the device status or command execution



THE SI COMFORT APP CONTROLS THE INTENSITY OF THE AEROPAC smart WALL-MOUNTED VENTILATOR, WHILE A TIMER IS PROVIDED FOR THE PURPOSE OF USING INDIVIDUAL AUTOMATIC VENTILATION FUNCTIONS.

**KFV Fingerprint  
biometric  
access control.**



**SECURITY AND FUNCTIONS THAT ARE AS UNIQUE  
AS ANY FINGERPRINT: ACCESS CONTROL BASED  
ON FINGERPRINT RECOGNITION.**

That little touch more secure.



Trust is good, access control is better. But best of all is biometric authentication with KfV Fingerprint. This solution is far superior to keys, numerical codes and cards. A door that opens on the basis of fingerprints alone is as secure as it is possible to get, as well as offering all the convenience of keyless operation. KfV Fingerprint comes with 99 memory slots where fingerprints can be

quickly and conveniently stored, with the option of assigning different functions to different fingers if desired. For example the thumbprint can be programmed to open the door, and the index finger to securely lock it again. The system itself is as unique as any fingerprint: it requires no separate evaluation unit, and the small amount of cabling involved makes installation simple.

**Benefits for fabricators:**

- Access control system based on fingerprint recognition, integrated in door leaf
- Direct cable connection to GENIUS (type B) or AS 3500 with automated latch release (type F), where evaluation takes place
- No separate evaluation unit required

**Benefits for users:**

- Highly secure, keyless, fingerprint-based operation
- Different functions can be assigned to different fingers
- 99 memory slots available
- Smart version can be operated with the SI Comfort app

**KfV**



**KfV FINGERPRINT IS FULLY COMPATIBLE WITH THE FOLLOWING KfV MULTI-POINT LOCKS: GENIUS, AS 3500 WITH AUTOMATED LATCH RELEASE.**

SENSOAIR  
air quality  
sensor.



THE INTELLIGENT AIR QUALITY SENSOR SEN-  
SOAIR AUTOMATICALLY MAINTAINS A HEALTHY  
INDOOR ENVIRONMENT.

There's something in the air.



The quality of air in a building significantly impacts on its occupants' well-being and productivity. They may eventually notice that carbon dioxide, nicotine, cigarette smoke, or vapours from furnishings, carpets and cleaning and care products are impairing the air quality, but by that time the recommended levels will generally long since have been exceeded. To help you breathe easily again, there is the intelligent indoor air quality sensor SENSOAIR. It is sensitive to a wide range of pollutants in indoor air, and features an integrated LED "ventilation

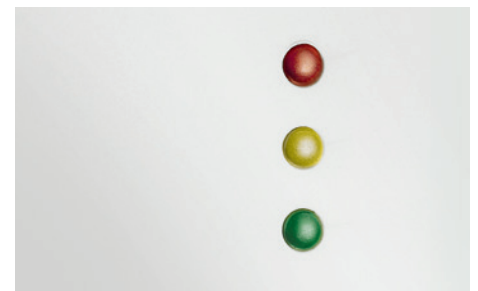
traffic light", which allows the quality of the air to be detected from far across the room. If a recommended level is exceeded it can activate wall or window-mounted ventilators and trigger motorised window drives. And this clever little device is just as smart when it comes to operation and installation. The air quality sensor is suitable for either conventional wired installation or Z-Wave wireless connection, as desired. It makes demand-based room ventilation a piece of cake.

**Benefits for fabricators:**

- Suitable for all applications, for wired or wireless connection
- Easy installation
- SENSOAIR plus for controlling ventilation equipment and motorised drives
- SENSOAIR wave for integration in Z-Wave wireless systems

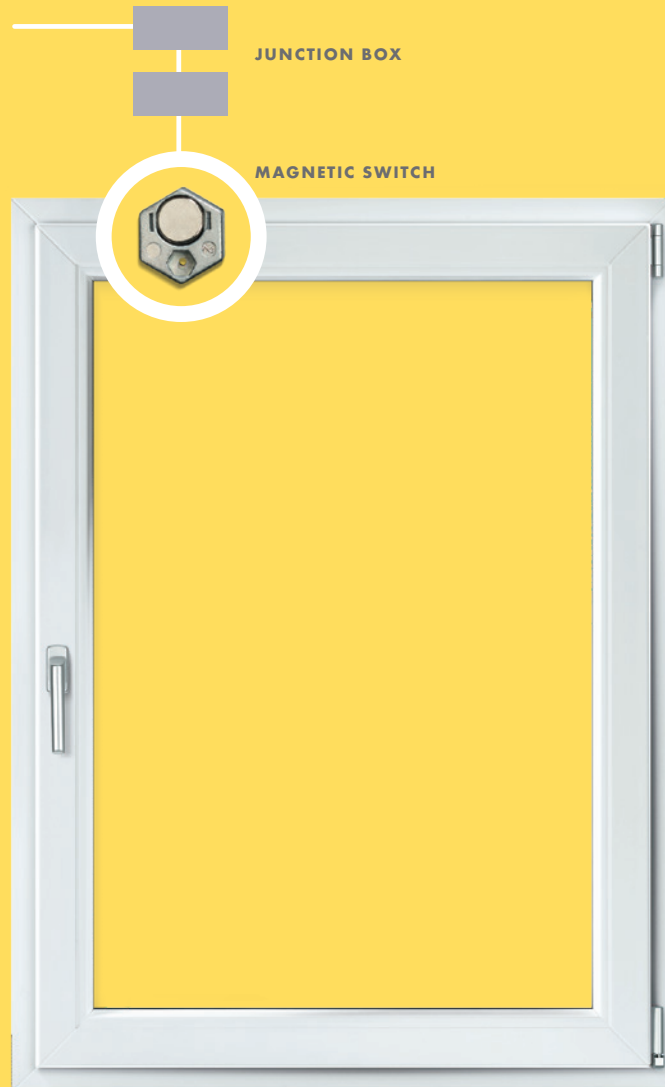
**Benefits for users:**

- Automatically maintains a healthy indoor environment, for more comfort and productivity
- Energy-efficient, needs-based ventilation
- Stylish design
- Easy to operate



**INTEGRATED LED "VENTILATION TRAFFIC LIGHT" PROVIDES A PRACTICAL STATUS INDICATOR.**

# AEROCONTROL: Opening and Closure Monitoring.



THE JUNCTION BOX TRANSMITS A SIGNAL TO  
THE AIR CONDITIONING/HEATING  
CONTROL UNIT OR BURGLAR ALARM.




## Down with heating costs, up with security.



Unfortunately, the possibility of windows 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. Here's how it works: magnetic switches in the window send messages to a

central monitoring unit to indicate whether the window is open or closed. If necessary an alarm can then be raised, for example, at a security company. AEROCONTROL can also save energy, because it can be connected to the thermostatic valves on radiators, automatically turning them off if a window is opened – helping to save both money and the environment!

### Benefits for fabricators:

- Can be fitted in a wide range of windows and casement doors
- Also suitable for retrofitting
- Integrates into frame rebate, independently of profile
- BUS-compatible for integration in building control technology
- Extensive accessories for alarm glazing and activation of fume extraction hoods
- VdS tested and certified to the maximum protection class (C),  depending on switch type
- Also available as VdS and EN-approved surface-mounted magnetic switch

### Benefits for users:

- Security you can rely on
- Saves energy costs by notifying the central building control technology of any open windows
- Sabotage monitoring and external magnetic field monitoring of magnetic switch



**WINDOW LOCKED: THE MAGNETIC PIN AND MAGNETIC SWITCH JOINTLY VERIFY THAT IT REMAINS THAT WAY.**



**WINDOW UNLOCKED: A MESSAGE IS SENT TO THE MONITORING UNIT.**

DIBt-approved  
safety extraction  
switch.



A MAGNETIC SWITCH TELLS THE SAFETY EXTRACTION SWITCH WHETHER THE WINDOW IS OPEN OR SHUT. THE FUME EXTRACTION HOOD IS ONLY SWITCHED ON IF A WINDOW IS OPEN.

Safe, convenient and invisible.



Fireplaces which are dependent on ambient air can quickly become a real safety hazard if an extraction air unit is used, because artificially created negative air pressure draws poisonous flue gases into the room. Therefore, in accordance with the regulation on open fireplaces, fireplaces may only be operated with fume extraction hoods and other extraction equipment if the appropriate pressure balance can be ensured – or alternatively if simultaneous operation can

reliably be prevented. The safety extraction switch offers a simple yet safe solution to this problem. Wired with the special AEROCONTROL magnetic switch, it records the status of the window and only switches on the extraction hood if the connected window is tilted or opened. This total system for fume extraction hoods is the first one on the market to be approved by the German Institute for Building Technology (DIBt) as a complete product set.

**Benefits for fabricators:**

- DIBt approval for the combined total package, consisting of safety extraction switch and concealed, special AEROCONTROL magnetic switch
- Meets the statutory requirements of the Building Regulations List and chimney sweeping associations
- 6 m cable length allows simple, flexible connection to the magnetic switch
- Safety bracket for plug
- Suitable for retrofitting

**Benefits for users:**

- Statutory requirement as per §4 of FeuVO (German Regulation on Combustion Equipment)
- Permits simultaneous operation of open fires and fume extraction hoods
- Components are fully concealed in window



SAFETY EXTRACTION SWITCH

# **SIEGENIA**<sup>®</sup>

brings spaces to life

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