



SYSTEM 3060

Digital locking systems with access control

© The finest in keyless security

Simons Voss
technologies

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COME IN!

Open flexibly, lock securely, manage easily.

Only digital systems are able to meet such requirements for contemporary locking technology. They link doors, gates and barriers to a centrally controlled system.

Lost keys no longer imply security vulnerabilities. Programming makes replacing expensive keys and locking cylinders unnecessary. Individual access rights are used instead of multiple keys.

This is how to deliver something which is normally difficult to attain: an intelligent combination between flexibility and security. Creating such an optimum quality combination and custom-made systems are the SimonsVoss trademark. Quickly and easily extended, our System 3060 meets highly complex requirements, even in large buildings, and is invariably cable-free in its operation. Needless to say, the entire system is made in Germany.

THE COMPLETE WORLD OF DIGITAL LOCKING

Secure, transparent and convenient with SimonsVoss locking systems

Rapid digitisation, growing security requirements and increasingly more flexible working time models: mechanical locking systems are no longer able to keep pace with developments in today's world. Modern, secure, flexible locking is digital in its operation, using a SimonsVoss locking system. Incidentally, digital locking systems can easily replace mechanical ones anywhere with no need for cabling, installed in new or old buildings, on few or many doors, in a single building or on several separate sites.

// Greater control and security

At SimonsVoss, security implies much more than being able to deactivate lost keys instantly. Security also means that our electronic keys are protected against unauthorised copying. Our solutions also allow you to control restricted access areas centrally with cable-free door monitoring (DoorMonitoring). What's more, every access can be time-restricted and documented.

// Greater convenience

An electronic key for all entrances and button-operated opening and locking provide door security with trouble-free access for your employees and visitors. You also have a complete overview of which users gain access through each door at particular times and can also modify access rights instantly and flexibly.

// More quality

We have manufactured all components in our own production facility in Germany since our beginnings as a digital locking technology pioneer. For us, German-made quality means long service life, reliable mechanical components, trouble-free operation and, last but not least, minimum power consumption.

// More service

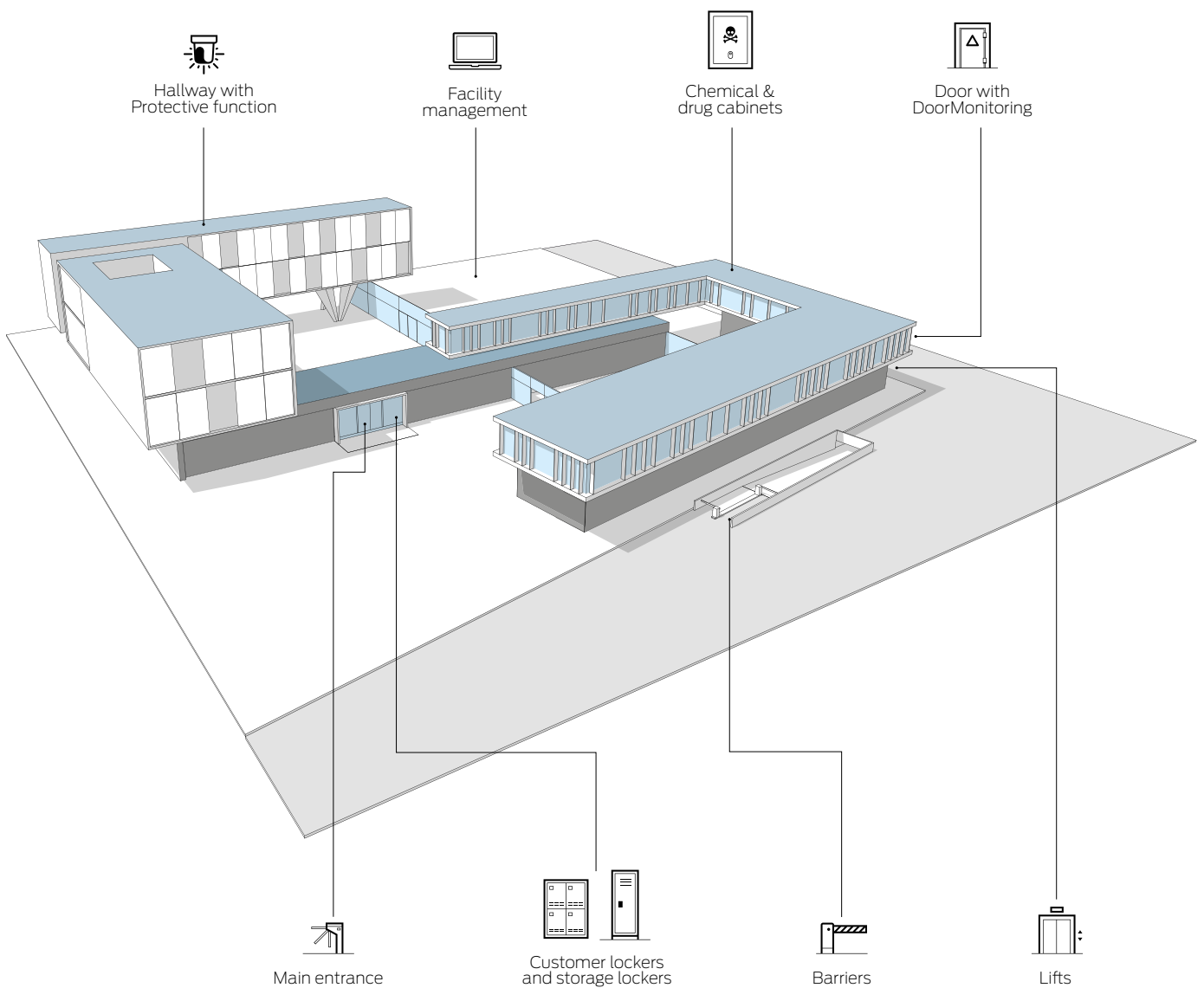
Reliability builds trust. Whether they provide assistance on site, remotely or via the hotline, our service teams are ready to help.

// Completely future-proof investment

We have always taken an approach where all SimonsVoss locking systems can be upgraded with new software and new components at an affordable price, even years after initial installation. That's why we ensure our products and systems offer backward and forward compatibility.

OFFICES, MAIN ENTRANCES, UNDERGROUND CAR PARKS...

SimonsVoss locking systems cover
virtually every door installation type



SYSTEM 3060

The all-inclusive digital solution
which can do more

A locking system for every security need. Locking System 3060 integrates all lockable elements into an all-inclusive digital solution: from doors, gates and lifts through to turnstiles and cabinets. There's nothing which System 3060 cannot do, but there are things which make it really stand out.

However complex controlled opening and locking may be, it must be simple, flexible and convenient in its operation at all times. System 3060 installations network intelligent locking and control components with a custom-designed overall system without any cabling. Access, logging, monitoring and control functions can be programmed individually and are easy to change at any time. Even door monitoring functions without any cabling – SimonsVoss is the only provider to offer such cable-free installation.

// Easy to install and expand

Structured in modules, System 3060 not only provides customised locking systems; it can also be extended and upgraded any time. A new extension, more doors, additional control functions: any change you make is quick and easy thanks to wireless, battery-powered technology.

// Variable and secure with active and passive technology

SimonsVoss offers a variety of identification media: the "active" transponder, the "passive" smart card or the "active" transponder as a combination medium with integrated smart card technology. Similar to a remote key, a battery-powered transponder delivers major advantages in terms of security and convenience.

// Reliable quality and optimum service life

System 3060 installations are supremely future-proof since all components and all older versions are compatible and functional with new technology. These digital system components are top quality in terms of material, design and technology – essential for full functionality and total reliability.



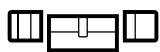
HOW DIGITAL OPENING AND LOCKING WORK

Three key elements form the basis for System 3060

1

Digital locking components

They know each and every access-authorized person and perform all monitoring and control functions for the door where they are fitted.



Digital Cylinder AX



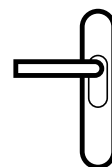
Padlock AX



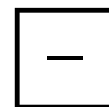
SmartLocker AX



SmartHandle AX



SmartHandle 3062



SmartRelay



2

Identification media

Transponders and smart cards contain all their owner's access rights.

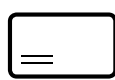
An identification signal is all that is needed to open and close the door in question.



Transponder



PINCode



Smart card



Smart tag

3

Central system control

Access rights are managed centrally using the LSM software and transmitted to digital locking devices and identification media.



System control



A hand holding a card near a door handle, with architectural sketches of buildings in the background.

OUR INTELLIGENT SYSTEM COMPONENTS

Cable-free, radio-controlled and network-compatible: our locking components and identification media are extremely intelligent and sophisticated. Find out more about our most important system components.

DIGITAL CYLINDER AX

High-quality, durable, future-proof

-  No wiring or drilling. Extremely fast, uncomplicated installation without special tools
-  All reader variants, whether active, passive or hybrid, are possible and are supported thanks to Bluetooth Low Energy (BLE) technology
-  Flexible thanks to modular design
-  Optimum user convenience thanks to ergonomic thumb-turns and visual and audible feedback signals
-  Encapsulated actuator electronics with an integrated SecureElement, which stores the encrypted system data and cannot be read from the outside
-  Equipped with core and profile drilling protection as standard
-  Very long battery life: up to 12 years on stand-by, 2-stage warning system when battery power is decreasing
-  Protected against extreme weather influences and ingress of dust and water up to protection class IP67

The digital locking cylinder contains the complete locking and control intelligence. Available in a widely varied range of designs, it can provide an extensive variety of locking, monitoring, logging and control functions. It can also be optionally fitted with sensors for cable-free DoorMonitoring and operated both online and offline.





Voss

SMARTHANDLE AX

Next keyless generation:
the intelligent fittings for interior doors



SmartHandle AX was the start of the new, even more powerful generation of SimonsVoss system components: "Next Keyless Generation".

Greater security, greater convenience, greater intelligence: the new SmartHandle AX achieves a new quality standard.

// Increased access security and performance

The innovative security architecture is a decisive advantage in SmartHandle AX. The Secure Element, a separate unit, is highly efficient in saving and encrypting all security-relevant data, such as the locking system password.

// Cable-free online door monitoring

Sensitive areas can also be equipped with DoorMonitoring. The cable-free online door monitoring system records, logs and reports all door statuses using sensor control to

detect whether doors are open, closed, locked or open too long. It also sounds an alarm in the case of critical events.

// Adaptive design, flexible scope for design

SmartHandle AX has a modular structure. This means it can be flexibly adjusted to all door installation types with regard to door thickness, centres distance and spindles. The lever can be fitted on the left or right.

It provides unique scope for visual design with four different SimonsVoss handles and the option to combine with standard handles by renowned manufacturers – a first that only SimonsVoss offers.



Various SimonsVoss handle variants and finishes in different colours



Proven durability capacity for 1 million cycles (EN 1906)



Battery life for up to 300,000 operations or up to 10 years on standby



Can be combined with handles by renowned manufacturers



Can be networked online and virtually



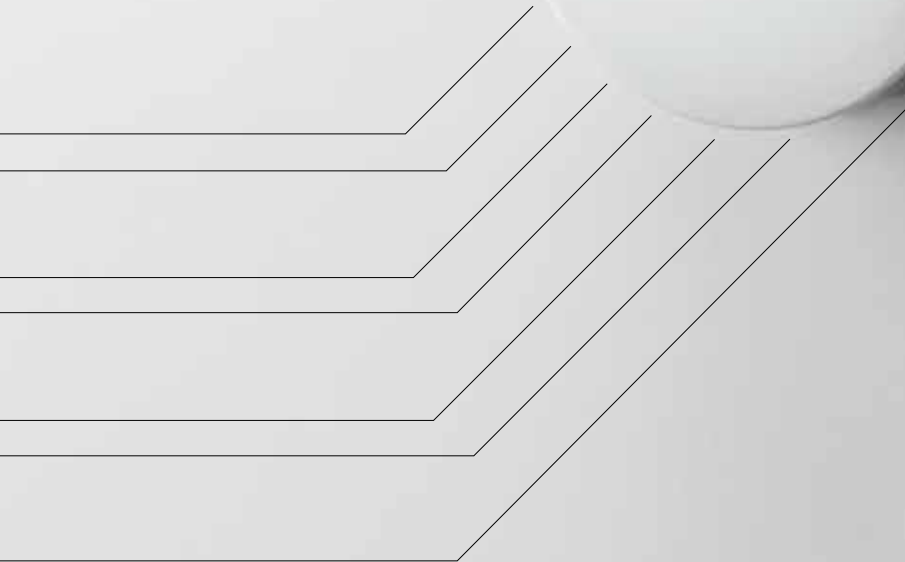
Manages up to 64,000 media



Modular design: Door thickness, centres distance and spindles are adaptable. The lever can be fitted on the left or right



Simons Voss



SMARTHANDLE 3062

Optimally suitable for central,
heavily used doors

Not just any old door fitting! One which also uses its great intelligence to reliably control large flows of visitors. SmartHandle works without cabling, accepts transponders and/or smart cards and is mounted in minutes with no drilling.










// Identifies and manages up to 64,000 users

SmartHandle truly shows off its capabilities on doors which are used by many and varied user groups. This is because it is able to control access of up to 64,000 persons based on individual rights. It's great that its timeless, award-winning design is an ideal match for an extensive variety of door types.

In addition to the many features of a digital locking cylinder, SmartHandle also has the following product characteristics:

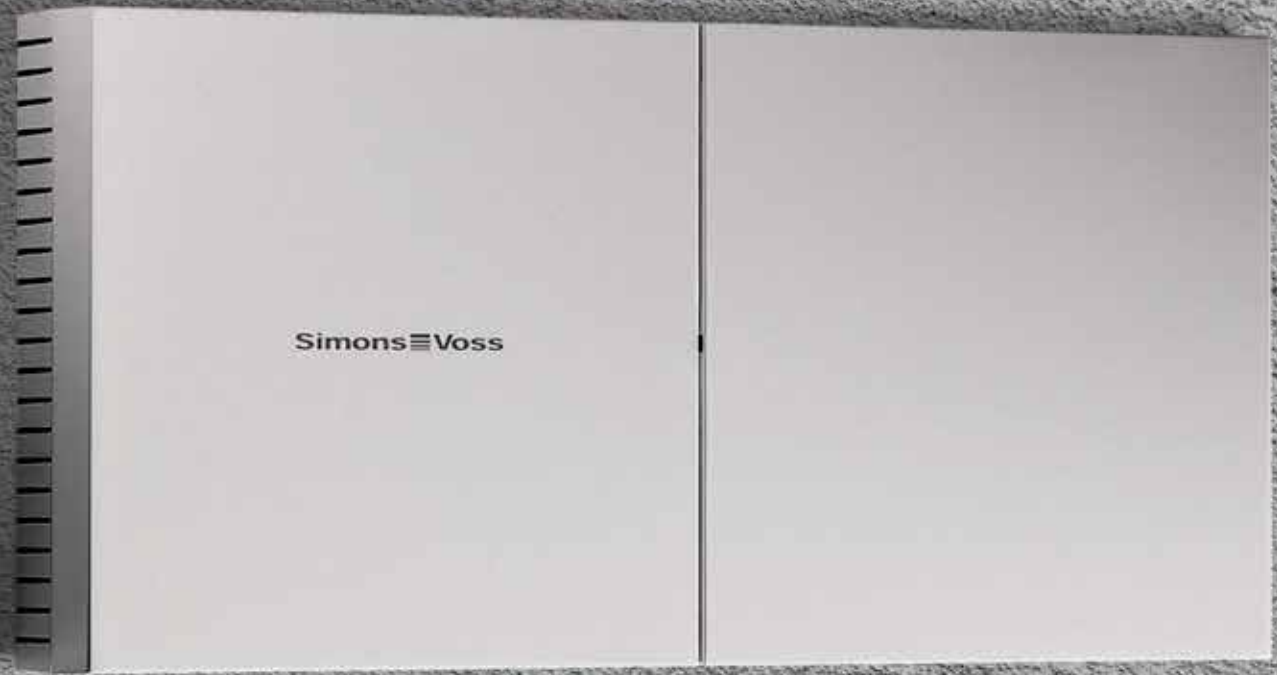


reddot award
product design

-  Administration of up to 64,000 media
-  Drill-free Snap-in installation
-  Battery life for up to 150,000 operations
-  Various SimonsVoss handle variants and cover widths
-  Weather resistance for exterior doors
-  Active and passive access media possible
 

-  DoorMonitoring – The cable-free online door monitoring system for sensitive rooms with alarm in case of critical events.



Simons Voss



SMARTRELAY

For intelligent opening and controlling without any locking cylinders

The elegant SmartRelay can perform a variety of functions: access control unit, gateway in virtual networks or control of technical systems and devices.

// Access control readers

Barriers, gates, lifts: there are some entrance points without locking cylinders where access must be controlled electronically. SmartRelay can perform this task safely and reliably, both indoors and outdoors.

// Use as a gateway in virtual networks

In a virtual network locking system, SmartRelay takes over the role of a central gateway. This means it

transmits new or modified access rights to identification media, ensuring that every user has up-to-minute access rights.

// Control for technical systems, machines and devices

SmartRelay can be connected to third-party technical systems such as time-and-attendance solutions and control them or exchange data with them.

→ (More on the virtual network on page 25)



reddot award
product design

Active and passive
access media possible



Switches lights, gates,
barriers, machines and similar



Transmits data from identification media to
third-party systems, such as time-and-
attendance systems, canteen payment
solutions or facility management systems



Transmits data in
virtual networks



Barriers



Turnstile



Roll-up door



Lift



Server room door



Safe deposit boxes



Filing cabinet



Chemical cabinet

SMART LOCKER AX

The first locker lock in
SimonsVoss quality

**SmartLocker AX is now the first SimonsVoss system for lockers and lockers.
SmartLocker AX is extremely flexible and can be installed with no drilling.**



Visual and audible feedback signals: a visual and an audible signal indicate when the lock is opened or closed (can be switched off).



Cost-effective standard batteries: Replacement is easy and straightforward.



Durable: up to 50,000 openings without changing the battery, depending on the reading technology and operating mode.



Emergency power supply via USB: if the batteries are actually flat, SmartLocker AX can be easily supplied with emergency power and opened via a USB connection.



Anti-tamper contact on the cover: any tampering attempts can be displayed in the LSM software.



No more deadbolt blocking: the pre-tensioned bolt spring prevents bolt blocking if the locker is too full and objects are pressing against the locker door on the inside.



Quick, convenient adaptation with bolt inserts: the inserts allow SmartLocker to be optimally aligned with cabinet and locker doors.



Quick-Click installation: our Quick-Click system makes installation even easier. No additional mounting holes are required.



Fully customisable: The platform offers the right variant for every cabinet door.



RELIABLE IDENTIFICATION MEDIA WITH ACTIVE AND PASSIVE TECHNOLOGY

Perfect match for all requirements with transponders and smart cards

As tamper-proof, robust and convenient as possible, this is how identification media should be. That's why we use the superior active technology in transponders and are the only system provider to do so. We also offer smart cards with passive technology. The best thing is that you can use both technologies in a single system at the same time. Only SimonsVoss offers you this option.





THE SMART CARD: PASSIVE TECHNOLOGY

Depending on the situation and application, the smart card is a useful variant – for example, if cards are already being used in a company.



THE TRANSPONDER: UNRIVALLED IN SECURITY AND INTELLIGENCE

Transponders with active technology can do more than other identification media: It has a greater range, a much longer service life and more memory for all types of data. The robust casing protects the reading electronics and provides effective protection against vandalism and manipulation. Our transponder activates door release at the push of a button. Transponders are battery-powered since power is required for active data transmission. This also offers the advantage that battery life is increased in cylinders and hardware.

- 
Extremely sturdy, virtually maintenance-free and extremely long-lasting
- 
Optimum battery performance for up to 400,000 activations or up to 10 years on standby
- 
Memory space for up to 4 independent locking systems
- 
Convenient range between 20 and 120 cm, depending on the locking component



Physical access lists possible



EASY TO INSTALL, COST-EFFICIENT OPERATION

Energy-saving technology, low maintenance central management

// No drilling, no dirt, no cabling

The digital locking components are designed for quick, simple installation without drilling. Thanks to the modular system design, they can be used for all purposes and fit practically anywhere.

// Down with life-cycle costs, up with convenience

It is primarily the long-lasting, highly reliable locking components which are key to ensuring our locking systems are cost-effective in their operation. We also focus on using extremely power-saving electronics at all times. This means the batteries in locking cylinders and transponders last an age and are easily replaced in seconds, thus minimising maintenance requirements.

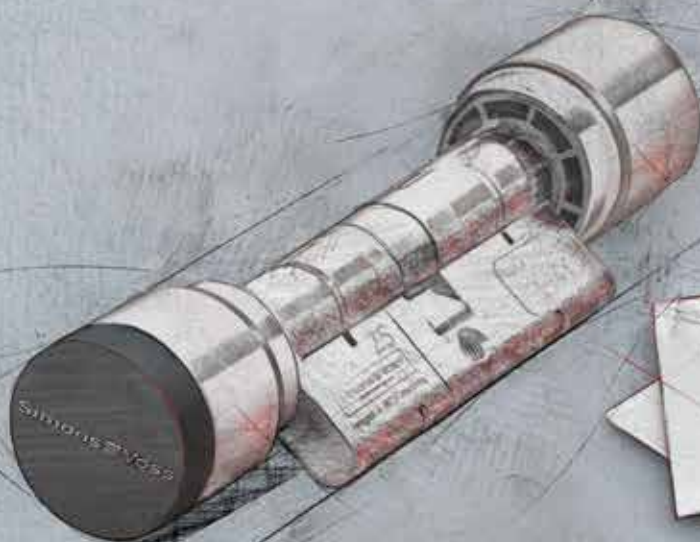
INFINITELY COMBINABLE AND EXTENSIBLE AS A MATTER OF PRINCIPLE

The open, modular design of System 3060 also saves time and money: the system can be restructured or extended at a later date with more doors, additional floors, buildings or locations at any time.

As you would expect, we are constantly developing our components further, making them even more intelligent and extending their capabilities. In doing so, we ensure universal compatibility, thus offering our customers maximum investment security.

- ⌘ Minimum maintenance requirements
- ⌘ Energy-saving electronics, long-lasting batteries
- ⌘ Simple retrofit for new electronic functions and technology
- ⌘ Fully backward- and forward-compatible components
- ⌘ Simple, flexible system expansion





MY SYSTEM 3060

Modular structure, extended flexibly and combined in any way: use the advantages that System 3060 offers for your custom-fit digital locking system.

THE LOCKING SYSTEM MANAGEMENT SOFTWARE

For customised, convenient system management

In a digital locking system, the Locking System Management software (LSM) interlinks intelligent system components, i.e. doors featuring locking mechanisms with users and their identification media.

The LSM software allows you to perform all set-up, operation and management tasks in your System 3060 quickly and conveniently:

- ⌘ System and management of locking plan (matrix display)
- ⌘ Identification media programming and management: transponders, smart cards
- ⌘ Programming and management of all components, such as locking cylinders, SmartHandles, SmartRelays
- ⌘ Creation of different lists, reports and logs for items such as access rights and programming requirements for locking devices when a transponder is lost.

// Different editions for every need

The larger a building and the more complex its locking system security requirements are, the more functions the software must offer, that's why the LSM software is available in different editions.

LSM Basic Edition

For simple locking plan management for small and medium-sized systems:

- ⌘ Software and data installed locally on a computer
- ⌘ Any number of local databases and locking systems
- ⌘ Possible to use both transponders and smart cards in same system

LSM Basic Online Edition

Like LSM Basic Edition but with additional functions:

- ⌘ Management of networked locking components
- ⌘ Logging of changes (audit-compliant)
- ⌘ Integrated reporting

LSM Business Edition

Like LSM Basic Online Edition but with additional functions:

- ⌘ Multi-user system for large systems
- ⌘ Decentralised system management (server-client installation)
- ⌘ As many networked components as required
- ⌘ Task and event management

LSM Professional Edition

Like LSM Business Edition but with additional functions:

- ⌘ Use of multiple databases on the server
- ⌘ Operation in a terminal server environment

HOW MUCH "ONLINE" WOULD YOU LIKE?

All variants between offline and online locking system operation

System 3060 delivers an extensive variety of options to control your locking system securely and conveniently based on individual requirements. The building size and functional requirements are ultimately the decisive factors in determining whether a system is to be operated offline, online or in a virtual network.

// Small building and simple requirements

Offline operation may be sufficient for small locking systems. Deciding on offline mode for your system is not a definitive choice. You can switch from an offline to an online system at low cost at a later stage any time.

// Large building and various sites

A large building, strict security requirements and different types of employee and visitor traffic require a networked system to provide all real-time control and locking functions. We offer two network variants for optimum building protection:

- The online network
- The virtual network

Both versions can also be freely combined with one another to deliver a network which meets your requirements precisely.



VERSION 1: OFFLINE MODE

If the number of doors is manageable and changes to access rights are infrequent, a System 3060 installation can also be operated offline effectively. The components are managed in the locking plan software.

A unique feature in SimonsVoss systems is that the updated data is then transferred to either the locking components or identification media using the programming device, whichever is more convenient for you.

// **The characteristics of an offline locking system:**

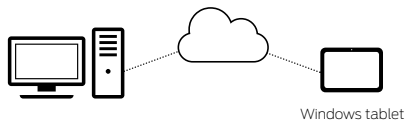
- ❖ Inexpensive solution for small systems
- ❖ LSM software installed centrally on a computer



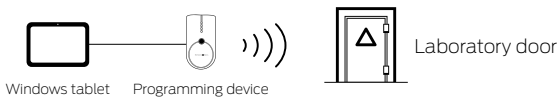
1 Locking times programmed in the LSM software



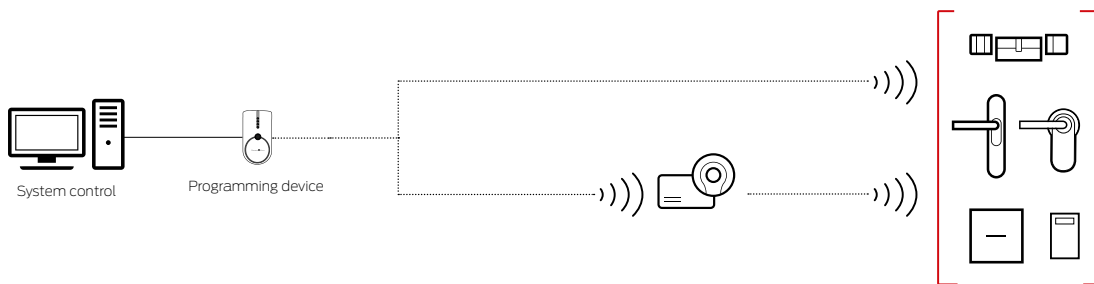
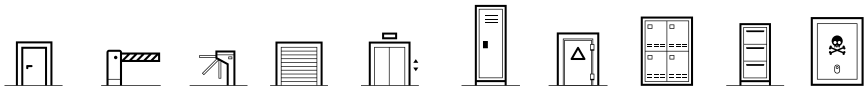
2 Data transported to the door concerned "on foot"



3 On-site wireless data transfer to locking components using the programming device



OFFLINE:
WITHOUT NETWORKING



VERSION 2: VIRTUAL NETWORK

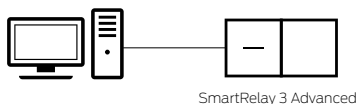
Only "gateways" are networked in a virtual network. Access authorisations that have been changed in the software reach the gateways via Ethernet. Identification media that are scanned at the gateways distribute the information to locking components and also carry new data back to the gateways.

// The advantages:

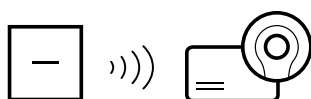
- ⚡ Less infrastructure since only central gateways are networked
- ⚡ Low administration requirements, important for large locking systems
- ⚡ Online activation also available for individual doors requiring special protection
- ⚡ Possible to re-programme locking devices with the programming device at any time



1 The new access right is transmitted to gateways/SmartRelays



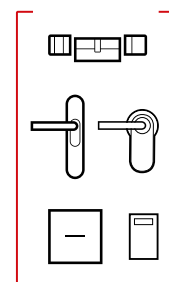
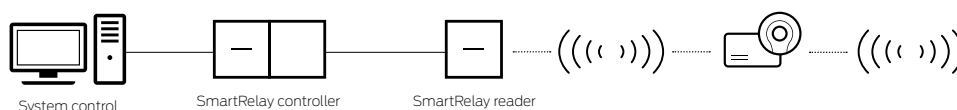
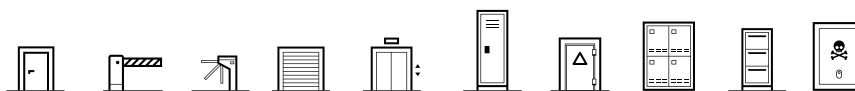
2 Data transmitted to the employee's identification medium



3 The new information on the identification medium now decides if a locking device is to be opened or not



PARTIAL NETWORKING: VIRTUAL NETWORKING



VERSION 3: ONLINE NETWORK

With online networking, you have the whole range of System 3060 services at your disposal. Data is exchanged in real time. Define which doors are to be networked online, e.g. all or only security-relevant doors. Expansion at a later date is also possible.

// The advantages:

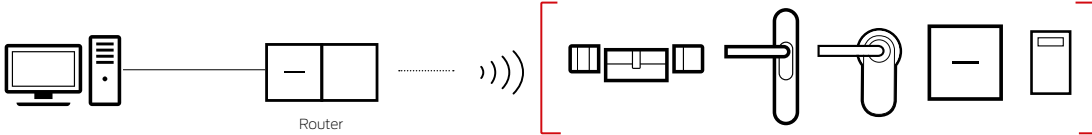
- ⌘ Immediate response to key loss possible
- ⌘ Real-time locking device programming
- ⌘ Central activation of protective functions (e.g. emergency release)
- ⌘ Online door monitoring (DoorMonitoring)
- ⌘ Warning messages (by email) for critical events such as attempted door manipulation
- ⌘ Automatic warnings for low battery power



1 Signal to the central system control



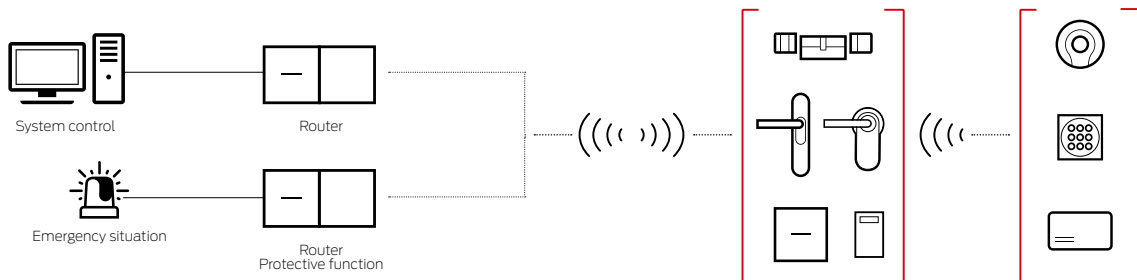
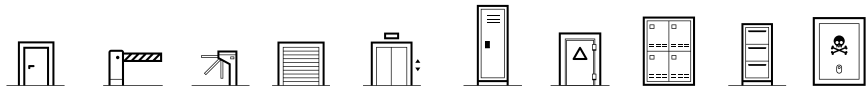
2 The transponder is immediately disabled centrally (online information sent to all locking components concerned)



3 A new transponder is programmed and issued with individual access rights



ONLINE:
DIRECT NETWORKING



GREATER SECURITY, AUTOMATIC AND ONLINE

A wide range of options for control, monitoring and response

Present-day requirements are demanding for locking systems whether the system is installed in an SME, major company group, a hospital, bank or government office. Digital locking systems with access control play a central role in security for buildings and institutions, especially when many people are coming and going.

Today, you will find restricted areas with access limited to certain times which not everyone can enter in many places. Such areas include server rooms, laboratories and development departments. It is thus all the more important that employees and internal and external visitors have defined access rights. Thanks to its large number of components and functions, our System 3060 has a suitable solution to match any set of circumstances.

// Security with System 3060 means:

- ⌘ Simple, central control
- ⌘ Immediate deactivation of misplaced identification media
- ⌘ Online remote opening of locking components in emergency situations (panic, etc.)
- ⌘ Freely configurable access rights and times which can be changed at any time
- ⌘ Online monitoring for individual doors (DoorMonitoring)
- ⌘ Automatically generated access event logging

CABLE-FREE DOORMONITORING INCLUDED

Door monitoring which works without any cabling: only SimonsVoss offers you this option. With DoorMonitoring, you increase access security and control significantly in restricted areas without needing any structural alterations.

This is how cable-free DoorMonitoring works: Thanks to integrated sensors, locking cylinders and SmartHandles record all the lock's statuses and changes: open, closed, dead bolt extended or retracted, locked once or double-locked, or open for too long. This information is transmitted directly via the radio network to the LSM system software, where it is recorded and visualized in SmartSurveil.

// Alarm for critical events

Critical events trigger an alarm directly and automatically, sending an email or text message or opening a pop-up window. The alarm function is only available in the software's LSM Business or LSM Professional Editions.

- ⌘ Automatic alarm for attempted manipulation on door
- ⌘ Automatic alarm when door is open too long
- ⌘ Messages sent by email or appear in pop-up window



Ludger Voss
Technical Director



Bernhard Sommer
General Manager

THE **SimonsVoss** PROMISE

We paved the way for digital locking technology more than 25 years ago. Since then, we have pursued a clear aim with our systems: intelligent security. This aim is achieved through our firm commitment to high quality, reliability and innovation. And our pledge to finding a sustainable answer to each individual security requirement.

Our customers seek security of investment. We have everything to provide it to them:

- ⚡ Sophisticated, modular locking systems and an extensive product portfolio
- ⚡ System components which are backward- and forward-compatible with no limitations
- ⚡ Low-maintenance technology which works easily and on a lasting basis
- ⚡ A support service which is proficient, friendly and swift to arrive



This is SimonsVoss

SimonsVoss, the pioneer in remote-controlled, cable-free locking technology provides system solutions with a wide range of products for SOHOs, SMEs, major companies and public institutions. SimonsVoss locking systems combine intelligent functionality, high quality and award-winning design Made in Germany. As an innovative system provider, SimonsVoss focuses on scalable systems, high security, reliable components, powerful software and simple operation. As such, SimonsVoss is regarded as a technology leader in digital locking systems. Our commercial success lies in the courage to innovate, sustainable thinking and action, and heartfelt appreciation of employees and partners.

SimonsVoss is a company in the ALLEGION Group, a globally active network in the security sector. Allegion is represented in around 130 countries worldwide (www.allegion.com).

Made in Germany

SimonsVoss is truly committed to Germany as a manufacturing location: all products are developed and produced exclusively in Germany.

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SimonsVoss
technologies

A BRAND OF **ALLEGION** 

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