Intelligently networked

Electronic access management

Contemporary flexibility
with Winkhaus

With intelligent technologies, Winkhaus offers complete concepts for access management to suit a wide range of requirements. With all of our locking systems, we place great emphasis on the use of high-quality materials. Long-term experience is also incorporated into our software solutions, which can be used to manage access conveniently and reliably in a user-friendly manner.

The use of electronic locking systems in commercial and public buildings is becoming ever more important. There are many reasons for this: Within just a short period of time, companies and authorities are restructured, premises rented on a temporary basis, quickly occupied by a new tenant, converted or extended. These changes also place increased demands on the flexibility and security of locking systems. Whether it be blocking lost keys instantly, allocating access authorisations, connection to the building management system or a long-term cost advantage – an electronic solution offers a wealth of advantages that meet these volatile requirements.

On the next pages you will find an overview of our high-quality technical solutions, which set new standards, also in terms of efficiency and cost-effectiveness.

Organisational problems
# are a thing of the past

Efficient planning and implementation of internal company processes is hardly possible to-day without electronic applications. Electronic access management offers a flexible solution for dynamic buildings with frequently changing users, such as small to medium-sized com-panies, large companies, public institutions and associations.

Our high-performance technology enables you to control all systems, from small locking systems (e.g. via an app) to more complex locking systems (via management software) cen-trally. With this approach, access authorisations can be stored and managed for different doors in a building. They can be limited to specific people, times and locations.

Integrated in a modular software (for medium-sized to large systems), information is spread via the Winkhaus virtual network at high speed through the intelligent interplay of keys and cylinders – without the laborious process of laying cables. Existing systems such as building management systems, time management, alarm or energy management can also be incor-porated easily in the electronic access management via our software.

All cylinders are equipped with drilling and core pulling protection. The comprehensive optional certifications such as VdS, SKG, explosion and fire protection guarantee a wide range of application options.
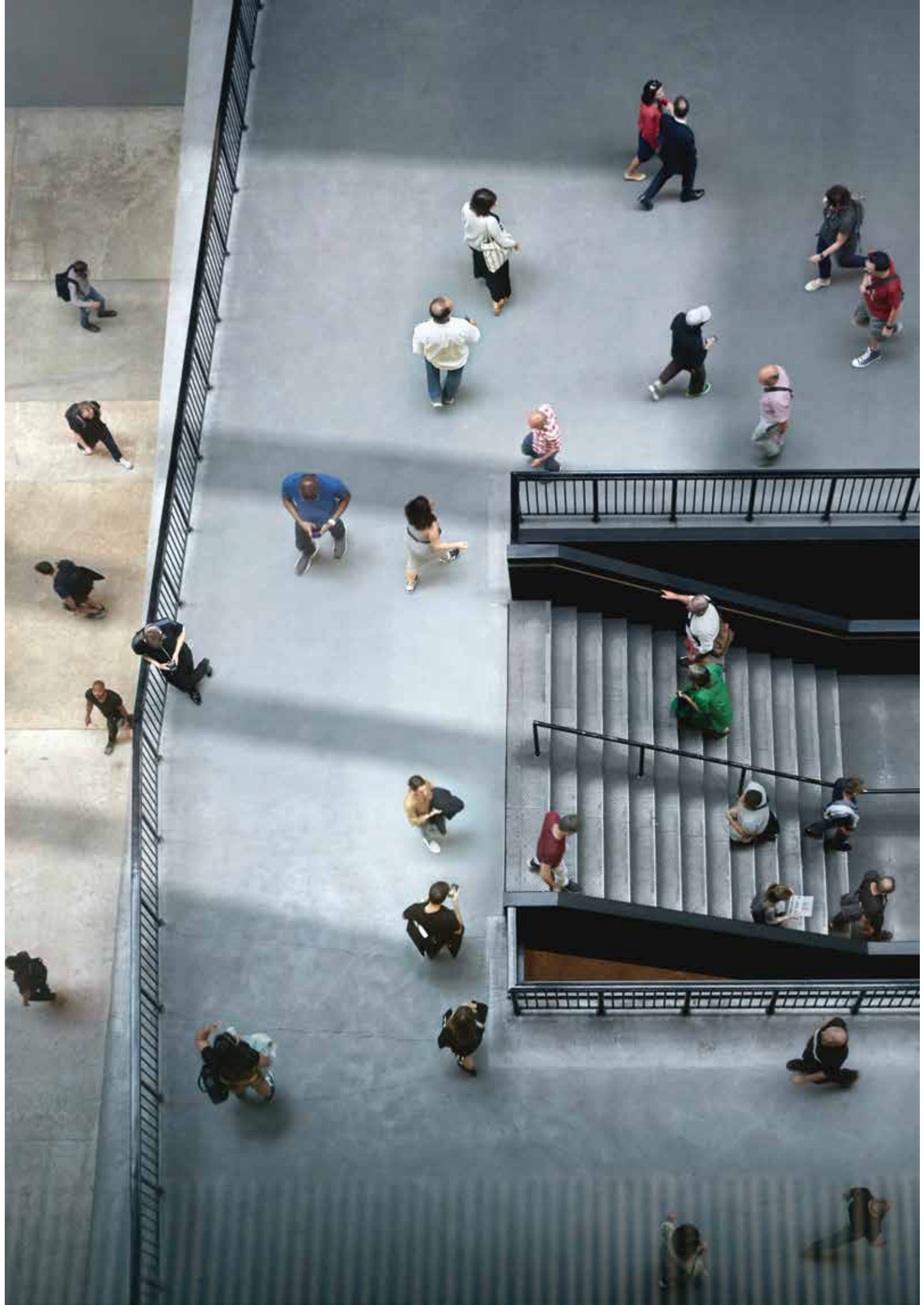
Wireless communication for added convenience

While the logistical requirements for access management with mechanical locking systems were previously extremely high, communication now takes place using electronic systems and virtual networks. This means that the communication takes place encrypted and wirelessly between the electronic components – unnoticed by the user: An employee key communicates information each time it is used to carry out a locking process in the building. It transfers data stored on an integrated chip to the relevant locking cylinder. The upload reader connected online acts as an interface between the management software and the electronic components. This creates the virtual network, where information is transported decentrally within a building.

Important information used to control the system, such as battery service life for individual cylinders or command acknowledgement from keys, are recorded in the database of the locking system.

The key features at a glance

In companies, transparency is particularly important for maintaining an overview of all processes. It helps to respond appropriately to changes.

The Winkhaus locking system can be expanded easily into an efficient access management system: To make it easier to monitor your processes, you have the option of adjusting locking authorisations quickly and flexibly by reprogramming them in the system. Access through doors can be defined individually with a large number of time profiles with different time intervals for each weekday.

The cylinders log every locking attempt with authorised or unauthorised keys, complete with date and time. This means that you always know which key has been used to access your premises, providing the event logging was activated. This is particularly important with regard to unauthorised access attempts.

To ensure that the rules of the General Data Protection Regulation (EU GDPR) are complied with, Winkhaus offers support with introducing an electronic locking system.
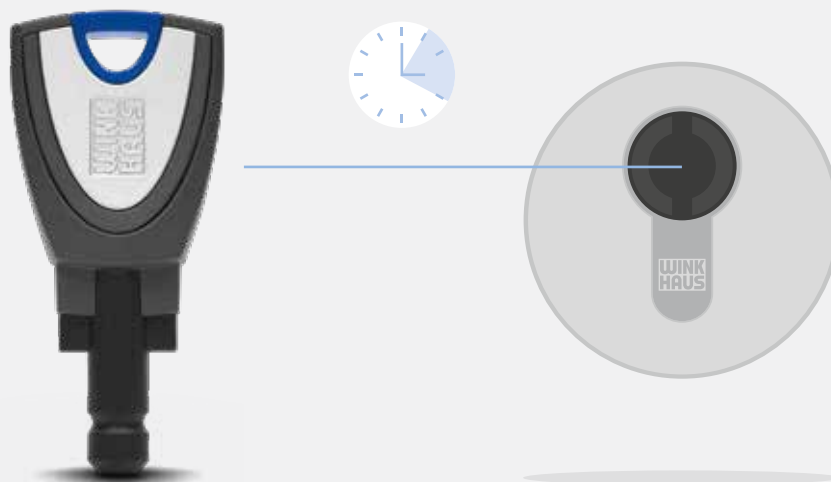
Ready for
any challenge

As a company grows, its structures and operational process-es become more and more complex. The key thing is how we manage the resulting changes. A flexibly expandable access management solution helps to control and optimize compa-ny processes.

With its locking systems, Winkhaus offers a far-sighted, adaptable solution, which can be adapted to the altered structures in your company at a later stage and simply grows with the company as required. You can even simply take it with you if you move premises. While the locking cylinders can be mounted and retrofitted in practically any door with no additional construction measures, our software solutions offer maximum freedom when planning and designing the access authorisations, as they cover the requirements of companies of any size. Even if changes are made, the soft-ware can be adapted to more complex requirements at a lat-er stage with extension modules.
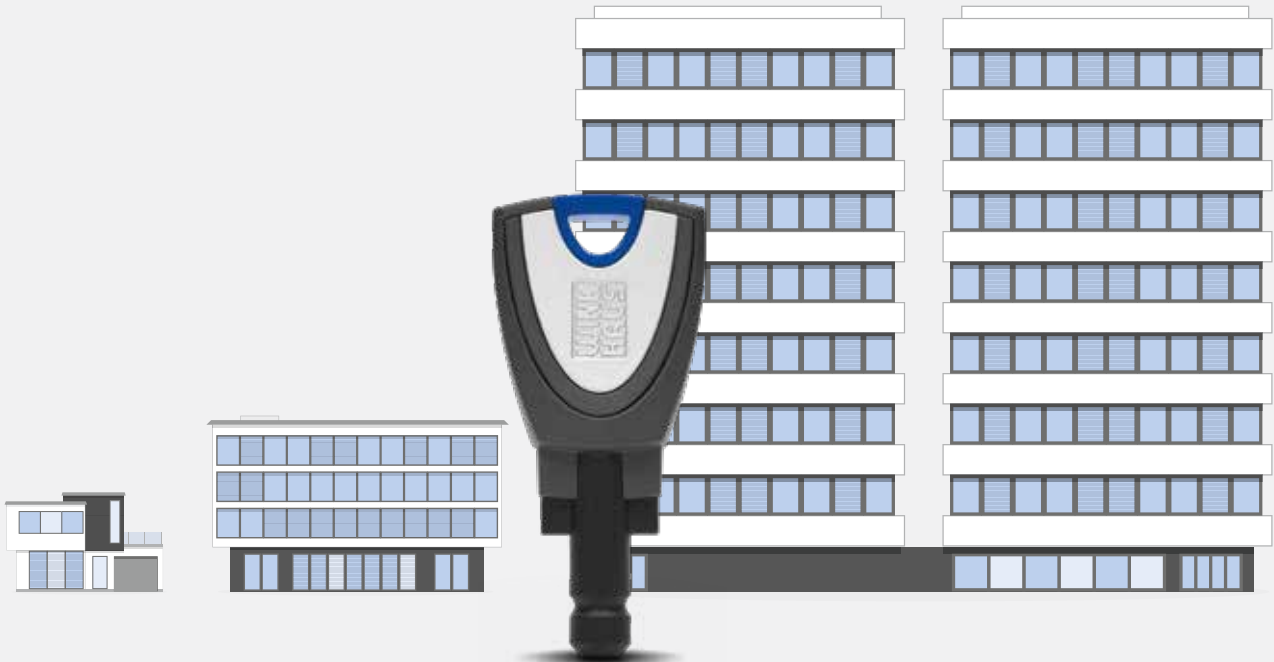
Viral information distribution in record time

Speed of action is one of the most important factors for a company: If an employee loses a key, for example, it must be possible to react to this change directly.

With a locking system from Winkhaus, the block command is saved for all employees on the central upload reader. Every key that passes through this upload reader passes on the command to the relevant locking cylinder during the next locking process. These, in turn, pass the block command on to the keys that have not yet received the latest information. The central update reader is thus the starting point for information, but the information is then passed on further during each locking operation.

With the viral blocking, we have expanded the functions of the virtual network, enabling a completely new level of convenience and unique speed during information distribution.

Locking convenience
while on the move

Smooth processes and a quick, efficient information system – that's what many companies want.

Thanks to the innovative apps* from Winkhaus, you can simply transmit programming commands from the management software easily and directly with your mobile terminal device to the components in your locking system and log them back easily at the same time.

Intelligent functions, including creating time profiles or assigning individual locking authorisations, can thus also be used while on the move – wherever you happen to be. Remote authorisation is extremely practical, if additional authorisations are required while on the move, for example.

Discover these and other features of the apps and use the maximum comfort offered by your electronic locking system.

*blueSmart app only for iOS.

Reliable quality
from Münster

In terms of access management in companies, the require-
ments regarding resilience and reliability of the components
used are one of the top priorities. In order to fulfil these high
demands, we develop and produce our high-quality prod-
ucts with maximum precision and advanced technology at
our plant in Münster.

Our compact cylinders are not only durable, but can also be
easily installed flush in any door, as they have the same con-
tours and dimensions as mechanical cylinders. This means
that they are well protected against vandalism. They are also

extremely energy-efficient – battery-operated and wireless,
they transmit the current battery status automatically to
guarantee reliable electronic operation.

The handling of the corresponding robust, maintenance-free
user key is identical to that of a mechanical turn key system.
The combination of offline and online components offers
maximum locking convenience. An optional mixed operation
of battery-operated and battery-free cylinders with the ac-
tive key enables an extremely high level of flexibility for your
access management.

blueCompact

The locking system with the app

blueCompact is an electronic locking system that can be configured easily via an app. This means that users can issue individual authorisations quickly and easily, including time restrictions, and benefit from a high level of flexibility as well as maximum operating convenience. You also benefit from full control and an overview of the whole locking system. There's no need to worry about the security of your data – blueCompact does not save the processed information in a Cloud, but stores it securely on the key. Its function makes blueCompact perfect for private homes, small companies and associations.

Start living smarter today and discover the versatility of this unique locking system from Winkhaus.

Your benefits

+ Simple operation and management via app of up to
  25 locking cylinders and 99 keys
+ Instant blocking of lost keys
+ Precise monitoring of all locking events
+ Flexible issuing of locking authorisations remotely
+ Creation and management of time profiles
+ No data on the smartphone or in the Cloud
+ Each step explained via instructional video
+ Easy installation and flexible to extend
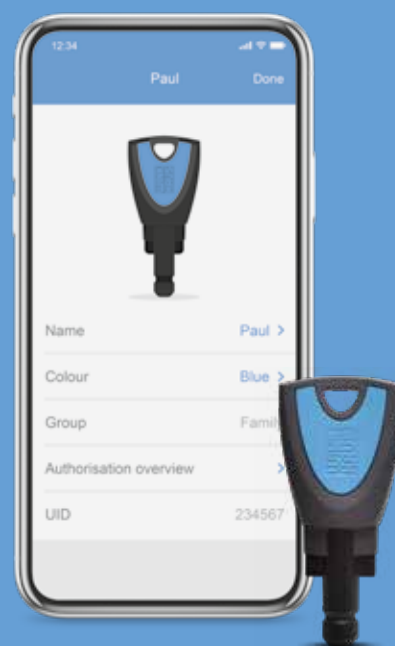
"blueCompact
enables me to react
flexibly to changes
in my company."

Sandra Hoffmann
Architect

blueSmart

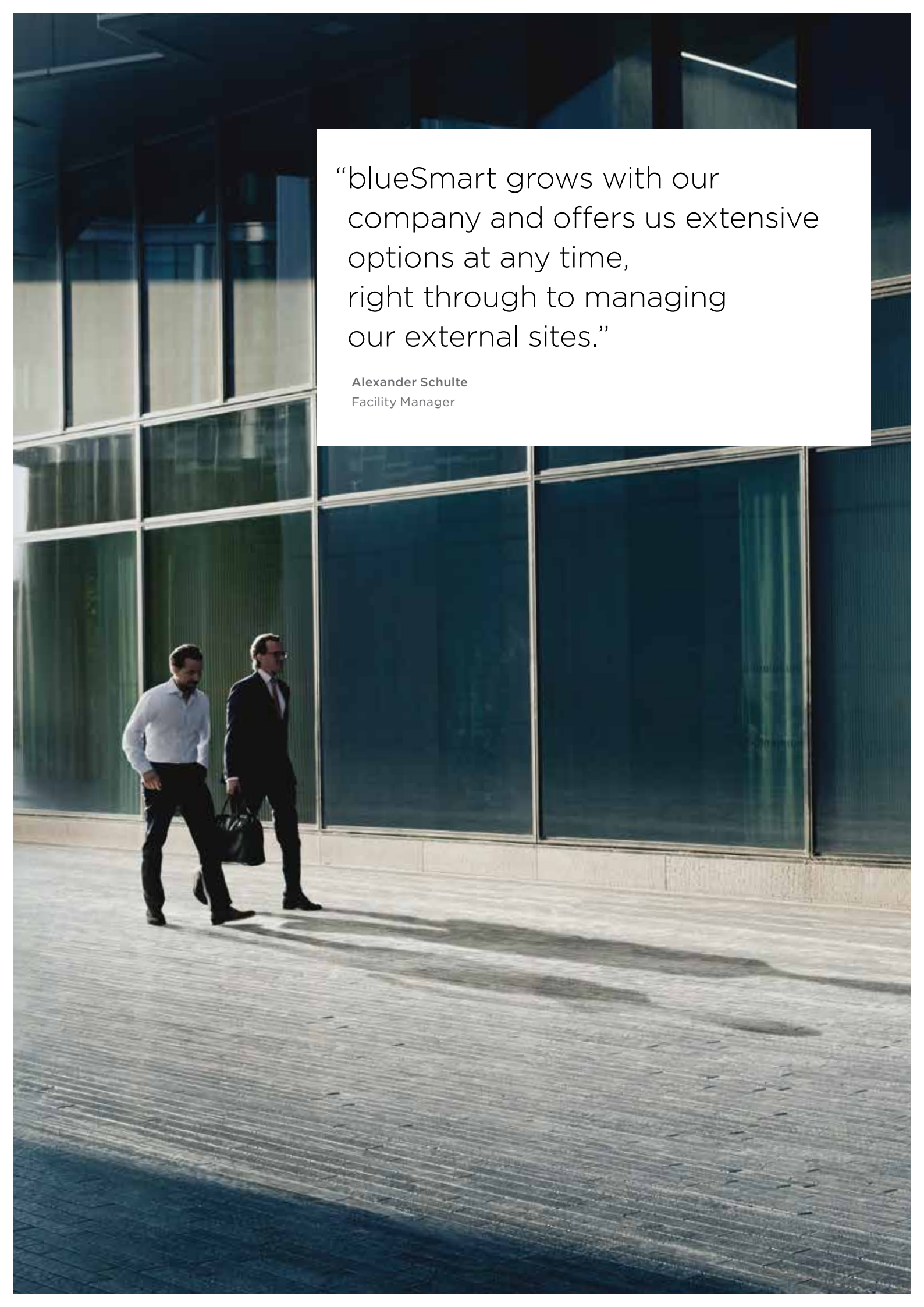## The new world of access management

blueSmart is the new generation of electronic access management – the intelligent system combines convenient management of complex building structures with modern design. It combines the benefits of offline and online solutions in an innovative way via virtual networking of locking systems. With the extensive product range, blueSmart can be expanded dynamically and is therefore flexible enough to be adapted to the individual requirements of small to medium-sized businesses, large companies and public institutions.

Make your company fit for the future and discover the countless options offered by blueSmart from Winkhaus!

Your benefits

+ Cost-efficient, flexible and secure solution for buildings of any size
+ An electronic key on the keyring that opens all doors (including lockers and cabinets)
+ Quick information distribution via virtual networking
+ Application via blueSmart software: Control, monitoring and management
+ Configure via blueSmart app: Allocation of access authorisations for cylinders/ access readers possible while on the move
+ Easy installation / retrofitting of the locking cylinders in any door
+ Comprehensive certifications (VdS, SKG, explosion and fire protection)

"blueSmart grows with our company and offers us extensive options at any time, right through to managing our external sites."

Alexander Schulte
Facility Manager

blueSmart

The software solution for blueSmart systems –
tailor-made for your structures!

The modular software packages from the blueControl series developed by Winkhaus are the heart of the electronic access management. It represents the integrative link between blueSmart and other (external) systems: An open system architecture guarantees problem-free integration in existing IT structures, such as personnel information systems, canteen invoices and common front office systems.

To guarantee maximum security for your data, the blueControl software is not installed on a Cloud, but always on a PC or server in your company. This prevents unauthorised persons from accessing the locking system information without your permission.

You are able to plan, administer and organise all of these functions with a single software application, ensuring that you can fully exploit all of their potential. There is nothing else quite like it on the market.

blueControl Start:

The software enables small to medium-sized businesses to enter the field of electronic access management. With blueControl Start (BCS), you have a comprehensive package of basic functions that guarantee simple management of your locking systems. The intuitive user interface and the consciously reduced complexity means that the package is particularly user-friendly.
Where necessary, there is also the option of transferring the administration of your locking system to your dealer.

+ Available as an end user (BCS) and a retailer variant (BCS-H)
+ The software is delivered complete with programming device
+ Management of up to 5 systems
+ Per system max. 300 keys and max. 100 door components
+ Upgrade to blueControl Professional possible

blueControl Start Virtual

With blueControl Start Virtual (BCS-V), small and medium-sized businesses have the option of using their locking system with a virtual network.
In contrast to blueControl Start, offline components can be combined with online upload readers with this package. The advantage: The electronic components in the system communicate with one another via a virtual network, unnecessary steps for programming are thus removed.

+ Available as an end user variant (BCS-V)
+ The software is delivered complete with programming device
+ Per system expandable to max. 700 keys, 350 door components
   and 6 upload readers
+ Upgrade to blueControl Professional possible
+ Short paths in the event of changes thanks to the virtual network

blueControl Professional

blueControl Professional (BC Pro) is designed for convenient management and amendment of complex locking systems, including offline, online and virtually networked components in large companies and public buildings. The software has the same function as blueControl Start Virtual, but can be expanded with additional modules such as "blueLine" for integrating online components and "virtual networking" for enabling the blueSmart functionality in the virtual network.

+ Available as an end user version (BC Pro)
+ Per system 1000 keys and can be expanded to max. 196,000 keys
   and door components
+ Remote authorisation and programming easy via an app
+ Intelligent battery management
+ Connection to other systems possible
+ Extension modules available for a wide range of requirements

Overview of software variants and combinations options

To help achieve efficient operational processes, the Winkhaus locking systems and the corresponding software, starting with the app for the blueCompact system and for blueSmart with the three packages blueControl Start, blueControl Start Virtual and blueControl Professional, guarantee a quick response to your individual requirements. These go hand-in-hand with convenience, a user-friendly approach, security and long-term cost savings. An additional advantage: It is not necessary to install the entire package, but only the module that is required at the moment. That means that the software you will be using is as extensive as required, and as simple as possible.

Input assistant
Management of cylinder time profiles
Different languages available
Logging of events in the cylinder (2,000 items)
Management of over 25 cylinders and 99 keys
Connection of the programming device via TCP/IP
Locking plan administration via the virtual network
Transport of the locking events via the virtual network
Feedback of the battery service life via virtual network
Management of over 100 blueSmart components possible
Management of over 300 users possible
Server/client version (BCS-V max. one client)
Management of up to 6 upload readers
Remote authorisation of active keys
Remote programming via active keys
Management of over 6 upload readers and online readers
Transmit configuration changes via key commands
More than one ID media per user
Use of the viral blocking command
Management of mechanical systems
4-/6-eye login
Connection to building control technology
Visitor management
Import of personnel data
Hotel module
TCP/IP interface, e.g. for connecting external systems

blueCompact app	blueControl Start	blueControl Start Virtual	blueControl Professional
✓	✓	✓	✓
✓	✓	✓	✓
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Table contains some optional modules.

blueSmart components

Each component fits into the system.

Our electronic locking systems have components that are precisely coordinated with each other, which means that the systems can be expanded easily. This sets it apart clearly from other electronic solutions. Below, you will find a small selection from our extensive product portfolio.

Premium keys, optionally available with an additional transponder

Double cylinder

User keys

Half cylinder

Active key

Knob cylinder

Online reader Siedle design with Touch PIN

Programming device

Protective outside fitting

Reader unit for cabinet and locker locks

Upload reader Elcom design

Upload reader Siedle design with touch terminal

One partner for
all problems

At Winkhaus, the colleagues from all divisions in the company work towards one goal: the satisfaction of our customers.

With us as a partner, you are optimally prepared for all eventualities. Whether you need advice, planning, implementation, repair or maintenance on your locking systems and software: Through open dialogue with our customers, we create all the necessary conditions for finding the right solution to suit your requirements.

For your individual customer service, our internal service technicians are on hand to help with installation, training and maintenance of your locking system. If you have questions relating to or a problem with your system, you can contact our software hotline or the Winkhaus Customer Care Center at any time for immediate help with your issue. In addition to this, we have a team of specially trained and certified dealers who help us to ensure that the service runs smoothly.

> **i** For more information on our access management solutions, take a look online at our extensive information and download area.
>
> winkhaus.com

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