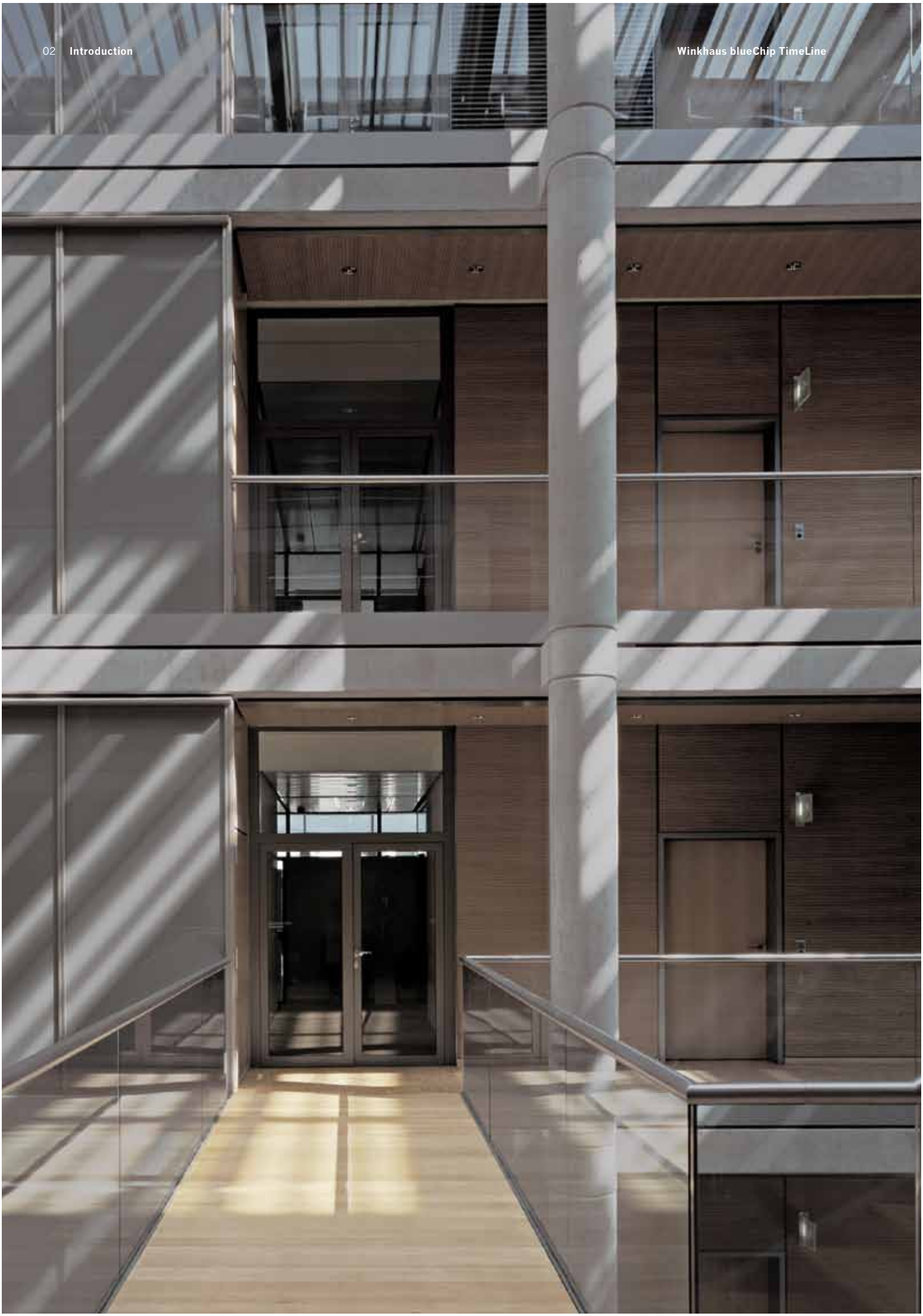
Always precise

# blueChip TimeLine

## The access organisation of the future.



# Electronic access organisation – the future-orientated technology for your building.

**Berlin, 08:51 hrs: Hundreds of people are rushing in through the main entrance of the 15 storey office building. In the course of the day, more than 8,000 people will pass through this entrance: employees, visitors, customers, suppliers, service staff. But not all of them are permitted access to each room, or at least not at all times. Who can keep track of all this? Winkhaus access organisation – including the unique blueChip technology.**

### Technology with a perspective

It has never been so easy to organise and administer access authorisations in an efficient and flexible manner as with our blueChip technology. The components are used like a normal key – but in a far more controlled and versatile way. blueChip's versatility also gives you much organisational freedom for the future.

Whether locking systems, intelligent door handles or access control and time management systems are concerned: Winkhaus offers the perfect system for facilities of any size – from stand-alone solutions to comprehensive building networks.

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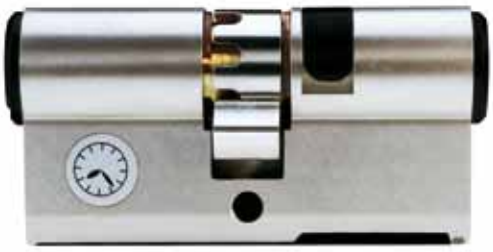
# blueChip technology.
# Lock blue!



The blueChip locking system makes it easy to assign access authorisations based on individual aspects: **time controlled** (e.g. for cleaning staff), **location controlled** (labs) and **person related.** You can redefine, extend or delete these access authorisations at any time.

**Which people have access to which rooms and at what times? Winkhaus blueChip technology enables you to organise access authorisations individually, easily and reliably.**

### Individually programmable

With the blueChip locking system you simply determine who goes where, and when. You can redefine, extend or delete these access authorisations at any time and on an individual basis. For example, for the assistant who is allowed to access the archive on Monday from 9 to 16 hrs to prepare the seminar. To this effect, you just program the cylinders on the doors in question. The blueChip locking system is open to organisational change and almost infinitely extensible.

### And everything is so easy!

blueChip cylinders are used just like with a normal key. Like any conventional profile cylinder they will fit in any DIN mortise lock. They are generally VdS certified and can be combined with all commonly-used door fittings. This not only reduces the effort involved, it also looks great. And what happens if a key is lost? You keep control as you can withdraw any authorisations of the missing key, thus rendering the key useless. If the worst comes to the worst, it goes easy on your nerves and your budget.

## Future orientated
## blueChip technology.

# blueChip TimeLine.
# Maximum convenience. Minimum effort.

**Previously, when purchasing an electronic access organisation system, you had to choose between an offline and online system. Offline systems do without complex wiring, however, you can only modify access authorisations directly on site. Online systems offer the advantage of central control, however, installation is very complex. blueChip TimeLine combines the benefits of both solutions in a single system.**

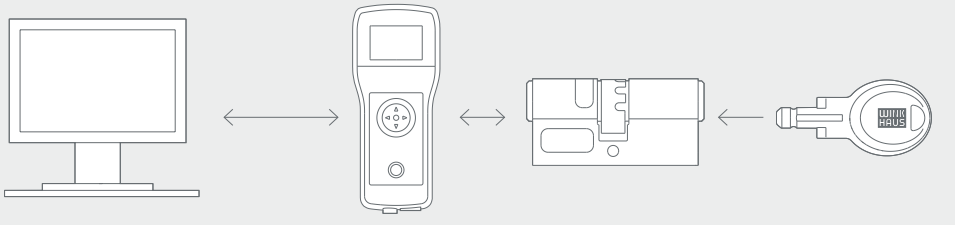
## blueChip – setting the tone

Winkhaus blueChip technology revolutionises electronic access organisation by nearly unrestricted flexibility and low operating costs. This electronic locking system comprises cylinders, fittings and readers. Access rights are administered on a central computer. For years blueChip has successfully been used in commercial, public and private properties.

## blueChip TimeLine – the new key experience

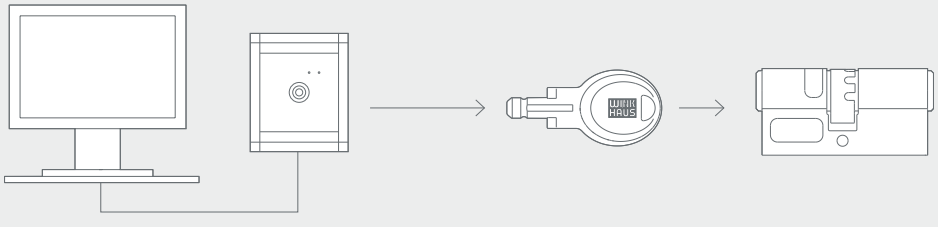
blueChip TimeLine combines the benefits of online and offline solutions. The AccessPoint controls access authorisations for all doors and keys as quickly and comfortably as you would otherwise only expect from an online system, but without an error-prone wireless connection. Central control saves long walks and time as there is no need to visit every single door. This renders the administrator‘s work far easier. What this means for you is: individual access organisation with maximum convenience and minimum effort.

**blueChip – the tried-and-trusted offline system**




**The offline system:**
Authorisations are uploaded to a programming device via the software. You need to “call on” the cylinder, handle or reader components to transfer them.

**blueChip TimeLine – with online convenience**




**The TimeLine system:**
In a blueChip TimeLine system the computer is directly connected to the AccessPoint. This means that authorisations can be written directly to the identification medium.

## The imaginary porter.
## TimeLine AccessPoint

**Loading point: Individual access authorisations are uploaded to the blueChip key at the TimeLine AccessPoint.**

# blueChip TimeLine.
# User-friendly handling.

### Competent access organisation

blueChip simplifies the planning and administration of access authorisations in an efficient and future-orientated way. You can individually program all doors fitted with blueChip components. And give every single employee temporary access to certain rooms. All authorised keys are administered centrally using software. This always gives you an up-to-date overview of the granted authorisations and the number of keys without having to issue manually-established lists and key registers.

### The imaginary porter.

With the AccessPoint it is no longer necessary to visit each single door. This compact device is wall-mounted in a central inside or outside position, such as the main entrances, and programmed via a central computer. Anyone requiring access to a particular section must obtain authorisation via the AccessPoint: updated daily and person-related, restricted with regard to time and place. This gives you maximum flexibility with minimum effort, and security if a key is lost. You can rely on the TimeLine AccessPoint – just like on a good porter.

# blueChip components.
# Systematic access organisation.

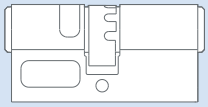
## blueControl
## Software

This is the “brain” of the blueChip technology: an intelligent software enables you to administer the whole system and assign and withdraw authorisations. Simple, convenient, reliable.

## blueChip
## Identification medium

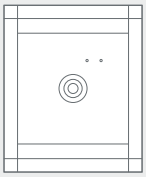
For example, freely programmable keys and cards. The blueChip identification medium electronically stores and encrypts all its owner‘s personal access authorisations.

## blueChip
## Offline components



More aesthetic, less effort: The blueChip locking cylinder fits in any DIN mortise lock. Various offline components are available for your individual requirements.

## blueChip
## TimeLine



The TimeLine Access Point is wall-mounted in a central position. Every blueChip user can upload his daily personal access authorisations to his blueChip key here.

**Winkhaus Plus**

+ **A single software for planning, administration and organisation**
+ **Can be easily and quickly adjusted to changing requirements**
+ **Modular structure**
+ **Can be integrated into your existing IT infrastructure**

+ **Normal user behaviour**
+ **Robust and maintenance-free**
+ **Uniquely encoded, person related**
+ **Key or card loss without consequence**
+ **Encrypted storage and transfer of sensitive access data**

+ **No modifications to the door required**
+ **Easily and quickly fitted or replaced**
+ **Greatest possible freedom of design**
+ **Enables sophisticated design solutions**
+ **Effective sabotage protection**

+ **Maximum convenience, minimum effort**
+ **Programming is done from a central PC**
+ **Quick assignment/ withdrawal of authorisations**
+ **Limited with regard to time and place**
+ **Flexible, updated daily**

# Open to change.

**Successful companies are always on the move, growing, changing their structure. The demands placed on the locking system do change, too. This is where blueChip demonstrates its flexibility because the system is arbitrarily extensible and thus grows to match any organisational change. blueChip is the key to your success.**

### Flexible planning and control

The blueChip system gives you the ability to restrict access with respect to time and place. Locking cylinder programming is typically centralised, however, you can delegate responsibility to various spots and locations. There are almost no limits when planning your access organisation.

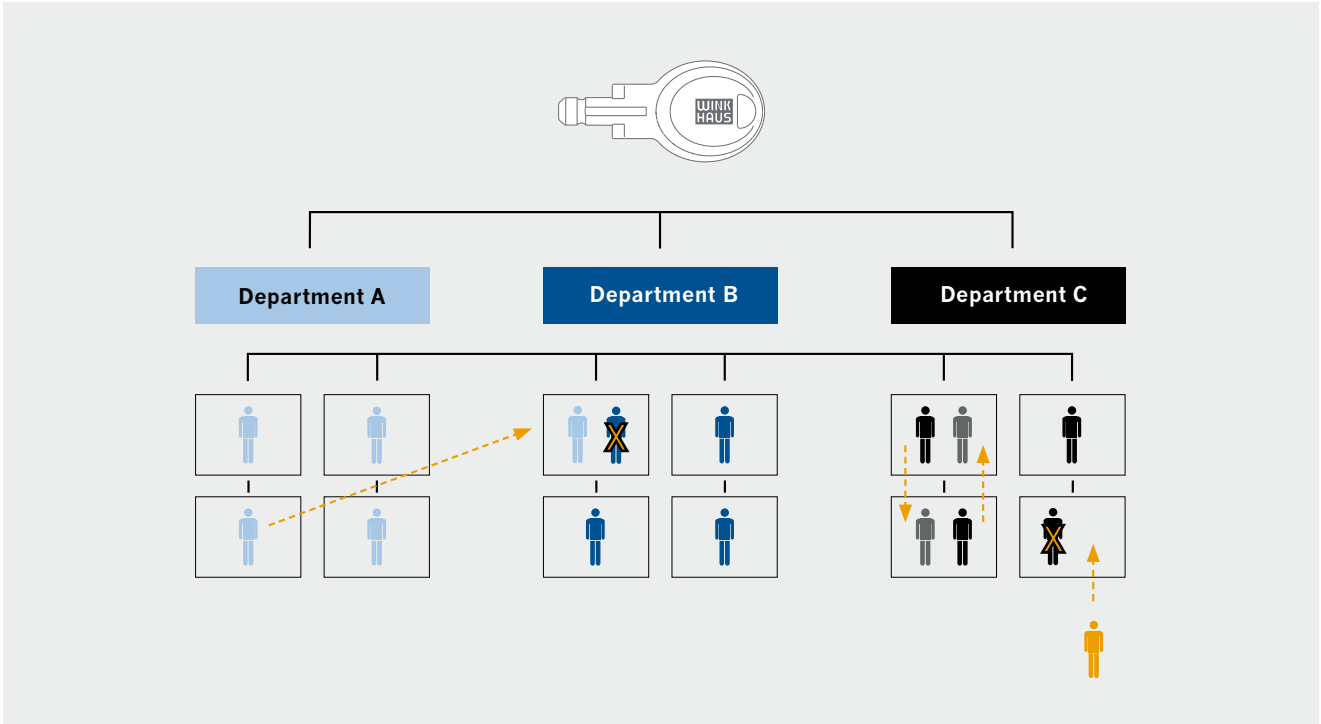
### blueChip keeps pace with your growth

The blueChip system can easily be adjusted to your requirements. Changes and extensions can quickly be made. If a department is relocated, for example, there is no need to replace cylinders or keys. Just reprogram them – and your employees will immediately have access to their new offices. And when your company grows, blueChip grows to keep pace.

**Winkhaus Plus**

- + Extensive freedom of planning
- + Authorisations can be restricted with respect to time and place
- + Central or allocated responsibility
- + Reorganisation without additional costs

**blueChip enables you to quickly react to any change.**



**blueChip is also the ideal system for protecting high-security areas – with maximum control and flexibility.**

# A multitalent with many capabilities.

**The blueChip system can be used flexibly in a variety of ways, including areas with individual requirements. The blueChip TimeLine concept guarantees convenient and economic system control.**

### Versatile application

blueChip components can be used in a huge variety of ways: even for securing the outer skin, for general securing of areas and for special areas such as labs or server rooms. This means that you can apply blueChip in all sectors of your building – a system for the whole company.

### Open for interfaces

Are you interested in adding Winkhaus blueChip technology to your existing system? A good idea. The suitable Winkhaus software guarantees easy and effective integration of external systems such as facility management technology and alarm and energy management. You can also implement existing transponder technologies. And, of course, you can use blueChip to extend any other Winkhaus system. blueChip is the integrated, future-orientated concept.

»Flexibility is very important to us and blueChip technology offers it.«

Karl-Heinz Beyer, Head of Locking Technology

### University Clinic Münster (UKM)

**Character:** large clinic
**Users:** ab. 7,500 employees, 420,000 patients annually
**Problem:** Flexibility is the major focus of a highly complex life in front of and behind the scenes at the clinic. At any time we must be able to assign authorisations for approx. 7,500 employees in a fast and flexible way to ensure trouble-free operation.
**Solution:** blueChip fulfils these requirements: The system administers access rights for some 1,200 rooms in 33 clinics. The head of locking technology performs all changes quickly and cost-effectively by reprogramming cylinders and keys.

»blueChip always knows who has access and where … this makes it really easy for us to keep track of everything!«

Klaus-Peter Seidler, Head of Facility Management

### UFA Film & TV Productions, Potsdam

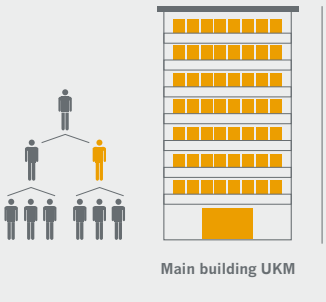
**Character**: UFA main administration, high control demands
**Users:** approx. 280 employees and freelance service personnel frequently changing
**Problem:** The mechanical locking system had reached its capacity limits and was impossible to be extended.
**Solution:** The customised, cross-system blueChip concept not only provides flexible access control for staff, but also allows for individual heating and lighting controls in individual offices via the identification medium.

»Independence for many people – energy savings included!«

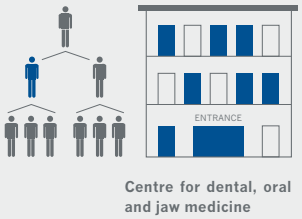
Arpad Bogya, Mayor

### Isernhagen Municipality

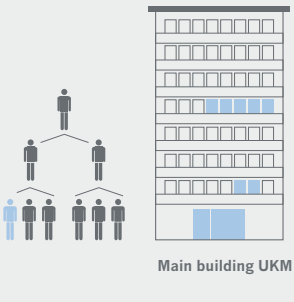
**Character:** a district with 70 public facilities
**Users:** employees, societies, visitors to public buildings
**Problem:** Chaotic key management and risk of key loss were targeted for removal. Energy savings in public buildings were to be enabled.
**Solution:** Winkhaus blueChip cylinders were easily fitted to many facilities without modifications made to the buildings. This simplifies the workflow of all employees. The blueChip system also allows for energy-saving operation at gymnasiums.



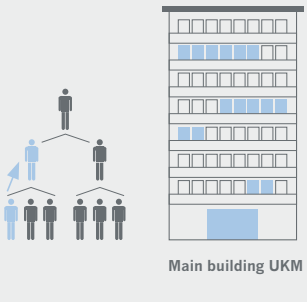

**Mr Beyer**, the head of locking technology, has access to all rooms of the main building.



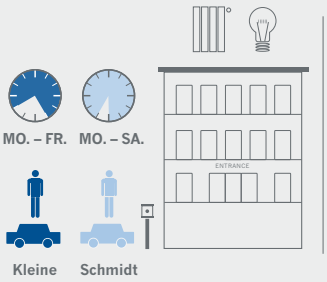

**Prof. Müller** has access authorisation for all rooms at the Centre for dental, oral and jaw medicine.



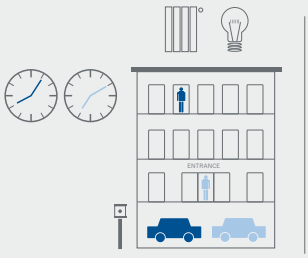

The nurse **Julia Schmidt** can only access the main entrance, the cafeteria and ward 4.



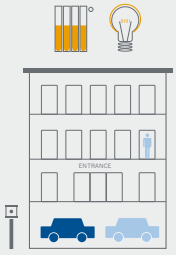

**Mrs Schmidt** is promoted to head nurse of the ward. Simple reprogramming gives her access to other rooms required for her work.



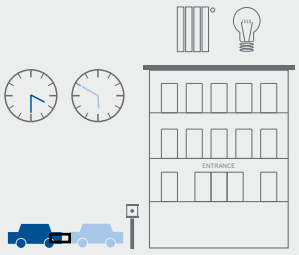

**Mr Kleine** has access right from Monday to Friday, 8 to 17 hrs. **Mr Schmidt** has access authorisation from Monday to Saturday, 7 to 18 hrs.



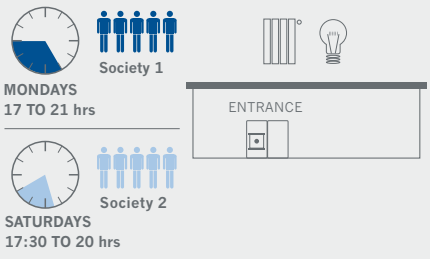

The arrival times of both are logged precisely. Both are allowed **acces to the underground car park and their offices.**




The **heating and energy supplies** to their respective offices are automatically switched on when they arrive.

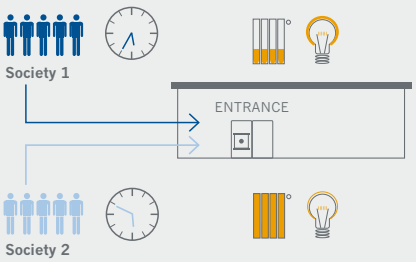



When they leave the building, the heating and energy supplies are automatically switched off. The departure times of both are **logged precisely.**

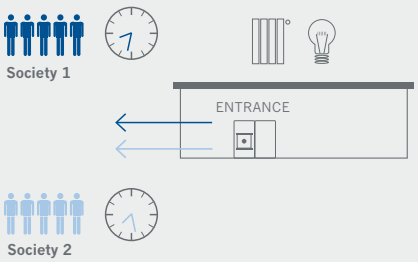



**Society 1** is authorised to access the gym on Mondays 17 to 21 hrs.

**Society 2** has access only on Saturdays from 17:30 to 20 hrs.




The arrival times are precisely logged in both cases. The **heating and energy** supplies are programmed to match individual needs and are automatically started on arrival.




When they leave the gym, the heating and energy supplies are automatically switched off. The **exact duration of gym usage** is logged. This makes it possible to bill **the exact costs.**

# This is how good functionality can look.

**When implementing sophisticated access organisation the design is often neglected. This is not true with Winkhaus. You have full freedom of design and can choose from a large range of options.**

### Design without limitations

Electronic locking systems for interior doors are typically only supplied with long plates or without any fittings at all. Winkhaus gives you freedom of choice. blueChip locking cylinders can be combined with all common door fittings: rosette, long plate or knob. Whichever way you like.

Our wide-ranging product portfolio gives you exceptional freedom of design. The blueChip system allows you to match architectural concepts.

The door design is not impaired by double knobs or other protruding elements. The result: clear, attractive design that does not give vandals a hand-hold.

And you can benefit from maximum freedom of design in the case of reader media, too. Compact blueChip electronics are easily integrated in almost any standard reader medium. blueChip is the ideal symbiosis of design and function.

### The first intelligent door handle

Up to now, aesthetically convincing concepts for access control of interior doors have not been available. Now they are. In cooperation with FSB, the facility brand, we have created an interior door fitting that is integrated with electronic access control (EZK): the first intelligent door handle in the world.

The fitting concept sets new technological and aesthetic standards. Like no other, the wide-ranging portfolio fulfils specific requirements with respect to function and design very much in line with your individual architectural concepts. This is particularly true of all-glass doors. For Winkhaus and FSB are the only manufacturers who can implement electronic access control in all-glass doors.

Thanks to convenient interfaces to modern hotel booking systems, these fittings are ideal for hotel equipment.

**Winkhaus Plus**

- **+ Exclusive: large selection of FSB design components**
- **+ Ideal for demanding room design concepts**
- **+ Electronic solutions for all-glass doors**

FSB

# Saving calls, time and money.

### Saving your money from the start

Installing a blueChip system is easy and inexpensive. The locking cylinder can be built into any door without any additional constructional measures and without cabling. Thanks to its low operating costs, the blueChip system pays for itself very quickly.

### Changed usage? No problem!

Staff comes and goes; departments grow or move, rooms are used in a different way than before... blueChip adapts to the new situation in next to no time. This often costs a lot of money in case of a mechanical system, but blueChip has hidden reserves.

### blueChip TimeLine – inexpensive across the board

The installation of TimeLine AccessPoints saves time and thus money. With blueChip TimeLine you can program access authorisations on a central PC without time-consuming visits. This is something that only online systems offer otherwise. The obvious benefit of blueChip TimeLine: Installation and operation involve far less effort. And this again means lower costs!

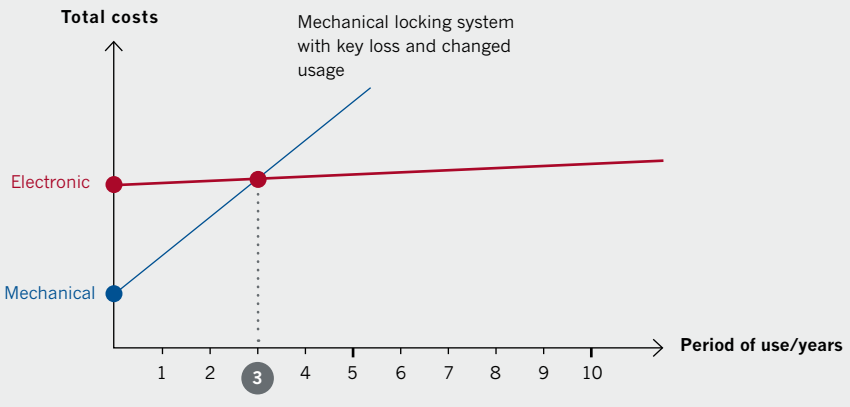
### Key loss without consequences

All blueChip keys are electronically encoded – each one is unique. If a key is lost, its system authorisation is simply deleted, thus rendering the key useless. With blueChip there is no need to replace the locking system – this is something involving much expense in the case of mechanical systems.

**Winkhaus Plus**

+ **Fast and inexpensive extensions or changes**
+ **Low lifecycle costs**
+ **Further cost savings thanks to blueChip TimeLine**
+ **Key loss causes almost no costs**

**Costs are saved thanks to electronic locking systems**




Source: Dr. Ing. Hartwig Jeschke,
Institut für Mikroelektronische Systeme, Gottfried Wilhelm Leibniz University Hanover

Typical of Winkhaus: Precision ...

... down to the tiniest detail.

# Our precision. Your protection.

**Choosing the blueChip system means choosing reliability, controlled functionality and quality. Winkhaus audits the manufacturing process and the products to the highest standards. Every single blueChip cylinder is subjected to an exacting final inspection. In-house and external testers constantly monitor operations to ensure that our quality standards are being adhered to.**

### With VdS quality mark

The blueChip system is characterised by excellent operational safety. Each component of the blueChip system is VdS certified as a general requirement. Winkhaus is one of only a few manufacturers of electronic locking systems with a general VdS approval. For numerous products Winkhaus is actually the only manufacturer with VdS certification.

### Certified for many applications

blueChip is your key to improved facility management. Fire protection, ex-protection, security relevant sectors ... blueChip meets even your most exacting requirements effectively and reliably.

**Winkhaus Plus**

+ **General VdS approval for the complete blueChip system**
+ **FH: approval for fire-protection doors**
+ **Ex protection: certified for explosive areas**

# Intelligent facility management.

**You require efficient access organisation for a hotel or office building? Out of a comprehensive system Winkhaus configures a customised, intelligent solution meeting your requirements. No isolated applications, but integrated designs which maximise the benefits for the complete building organisation. Comfortable, economical and future-orientated.**

### Electronic access organisation

Whether access control, visitor or parking lot management is involved: At Winkhaus you will find a comprehensive package for intelligent facility management – a custom-built and cross-system solution. You have the advantage of such an integrated solution in your hand. By means of a single identification medium, such as the clever blueChip key, you can control and monitor a variety of applications: locking system, time management, conference room reservations and much more. In case you would like to regulate your climate control installations, lighting or alarm systems – no problem. Winkhaus electronic access organisation systems can be integrated into existing networks. And never forget: In using the modular Winkhaus software you can flexibly adjust your systems to any new requirement.

**Electronic access organisation**

01. **Energy management interface**
02. **Connection to building control systems**
03. **Biometrics**
04. **Workflow**
05. **Electronic fitting**
06. **Alarm management / burglary alarm system**
07. **Visitor management**
08. **Conference room management**
09. **Electronic locking system with access control**
10. **Parking lot management with licence plate registration**
11. **Time management**
12. **Connection to canteen billing systems**

## Access control

Winkhaus offers the perfect organisation system for facilities of any size – from stand-alone solutions to multiple building networks. Various identification technologies can be integrated in a single token (key, key chain, or card). For critical areas Winkhaus offers biometric access control with specially-developed finger scan terminals. What requirements do you have? A personal conversation is a perfect opportunity to initiate the most efficient and successful solution for your requirements.

## Time management

How can you achieve further workflow optimisation? Our proposal: Connect your electronic access control system with a flexible time management system. Winkhaus timeControl software helps you keep track at all times. Project time management and approval processes, overview of current statistics, holiday, flexitime and wage accounts – you can handle all this conveniently and in realtime on your PC. A flexible time management system helping you save precious time.

**Aug. Winkhaus GmbH & Co. KG**

Hessenweg 9
D-48157 Münster
T + 49 (0) 251 4908-0
F + 49 (0) 251 4908-145

www.winkhaus.de
zutrittsorganisation@winkhaus.de

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