

KESO eCLIQ



The key to
electronic locking systems



More durable, safer and more efficient

Experience a safer
and more open world



*eCLIQ is always tailor-made:
according to your needs
and planned by professionals*

Why an electronic eCLIQ locking system is the best choice for a secure future



The ever-changing organisational structures, the rapid increase in team and project work, and the increase in mobile working all put a great deal of strain on both the building infrastructure and on those responsible for security technology. The CLIQ® system, developed with these considerations in mind is the best choice for a more secure future.

Our certified CLIQ® Premium Partners support you in the analysis of your individual requirements, with the development of the locking plan, and the definition and selection of the system.

We offer practical software packages for the planning and subsequent management of an electronic CLIQ® locking system that is designed to meet your current business needs as well as future requirements.

Questions to answer before the planning phase:

- How is your building used?
- How is your organisation structured?
- How strict are your safety requirements?
- What other requirements do you have?
- Do you expect frequent changes?

eCLIQ is a system consisting of programmable keys and compact, secure locking cylinders that offer you the following:

- Minimisation of risks associated with lost keys
- Flexibility to accommodate ever-changing access requirements
- Improved security thanks to the CLIQ® chip generation featuring AES encryption
- Long service life thanks to robust hardware
- Easy installation – no wiring required
- Clear reports

The locking system planning process:

- Analysis of individual needs
- Draft of the rough structure
- Creation of an organisational chart
- Inspection and acceptance by users, building owners, planners/architects
- Creation of the draft locking plan
- Checking and acceptance of the locking plan by users, building owners, planners/architects

eCLIQ – the completely new electronic locking system:

An innovation with proven technology

The completely new electronic locking system eCLIQ is based on the globally proven CLIQ technology from ASSA ABLOY. In small as well as in extensive and complex locking systems, building operators and users have appreciated the advantages of the CLIQ mechatronic systems for many years.

The heart of the new, purely electronically coded eCLIQ locking system is the unique, innovative locking cylinder technology.

Thanks to its design and structure, the eCLIQ locking cylinder offers an unprecedented level of compactness, security and flexibility.

The eCLIQ key is also a real innovation with an out-of-the-ordinary, distinctive design and remarkable durability. Equipped with a chip of the latest generation, the entire eCLIQ system is faster, more powerful, more secure and more energy-efficient than conventional locking systems.

Only eCLIQ can offer this!

The eCLIQ electronic system is a completely new development in the international market for locking systems.

This applies to the technology as well as to the design and user-friendliness. Since the development of eCLIQ was based on many customer requests from a wide variety of industries, the system is extremely user-oriented and offers numerous advantages in every detail.

eCLIQ fits every application!

The eCLIQ system is basically suitable for the design of locking systems of any size and for all types of buildings. Its specific features make it particularly interesting for certain application areas.

Some examples

- Utilities, infrastructure and industrial companies: for these sectors, apart from its flexibility, resilience, and durability, eCLIQ is also particularly cost-effective.
- Museums, galleries, event centres: due to the compact design of the locking cylinder and the available lengths from 28 mm per side, it fits into designer doors and environments without protrusion.
- Heavily used doors and key switches (such as at car park entrances): eCLIQ is particularly suitable here thanks to its durable design and cylinders which are maintenance-free up to 200,000 cycles.

A secure investment
The eCLIQ electronic locking system is ideal for a wide range of applications.

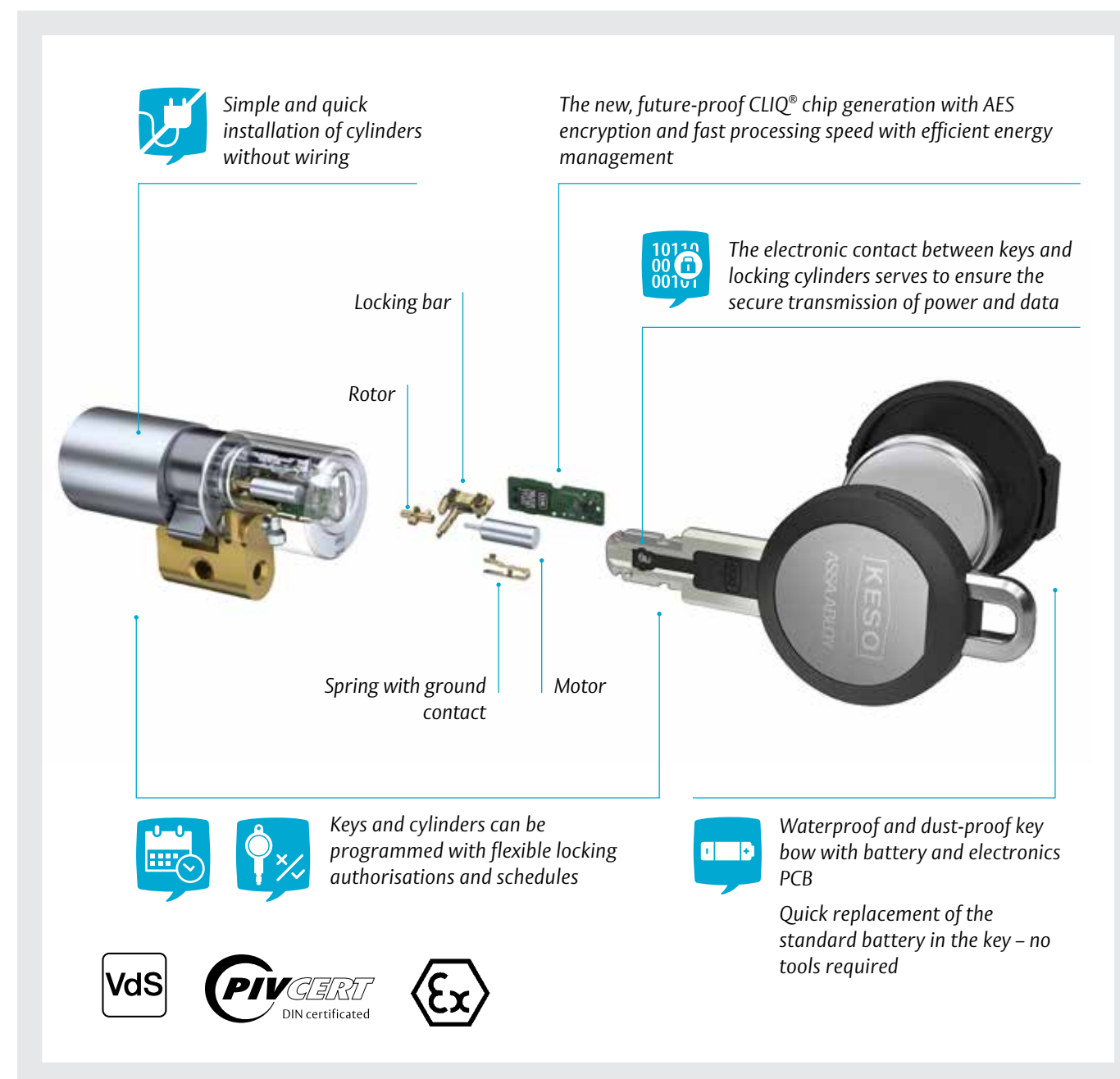
eCLIQ The key to electronic locking

More durable, more secure and more efficient than conventional locking systems



eCLIQ is a purely electronic locking system based on precision mechanics and ASSA ABLOY's CLIQ® microelectronic component technology. The microelectronics in the programmable, waterproof key and the compact electronic locking cylinder

guarantee the highest possible security - reliable and uncomplicated. eCLIQ solves the problem of lost keys. As each key is individually programmable, locking authorisations can be easily deleted.



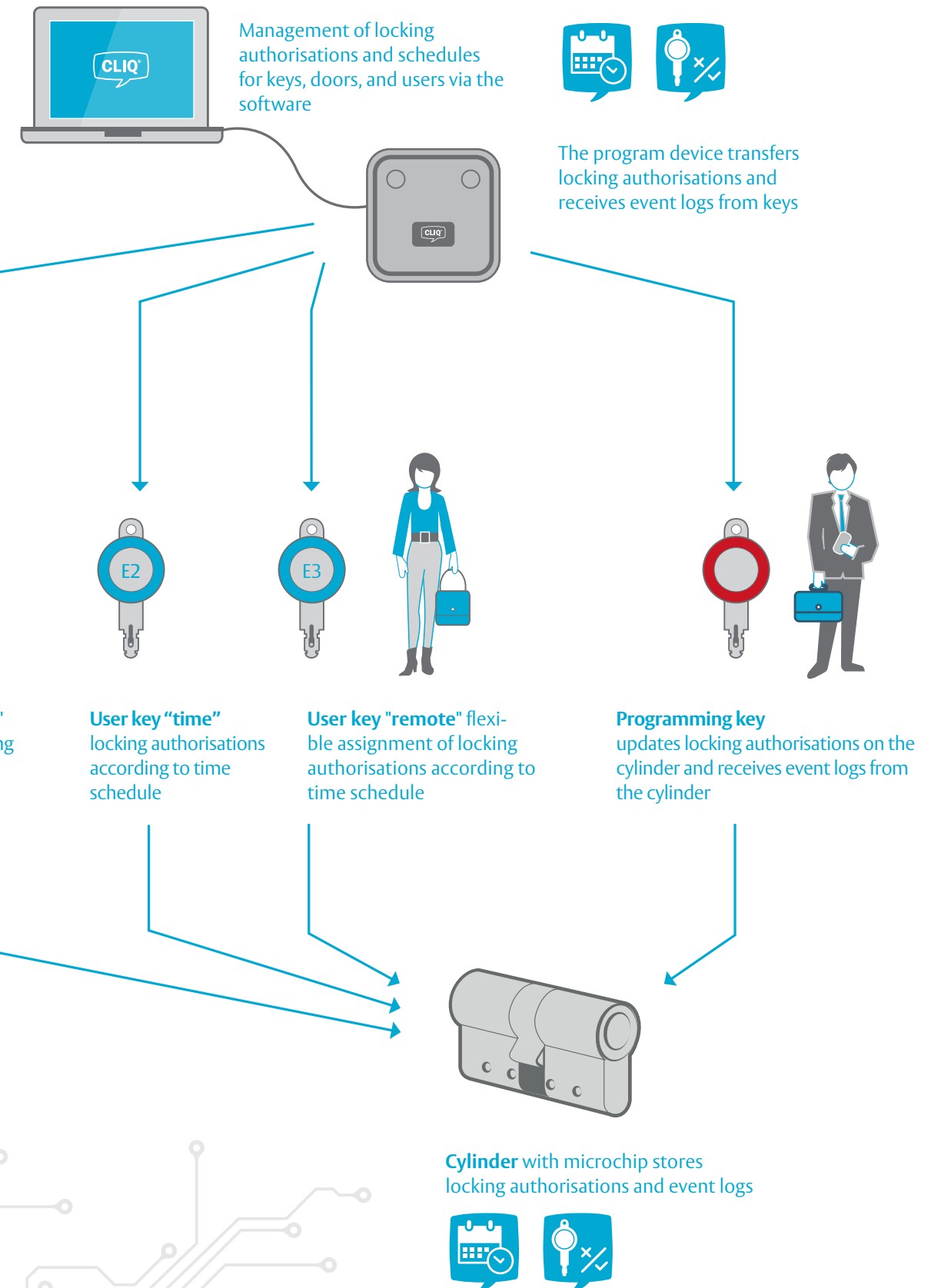
Simply electronic:
eCLIQ offers the greatest
flexibility in authorisation
assignment and
reprogramming

Management of the eCLIQ system

Maximum flexibility when issuing and
withdrawing access authorisations



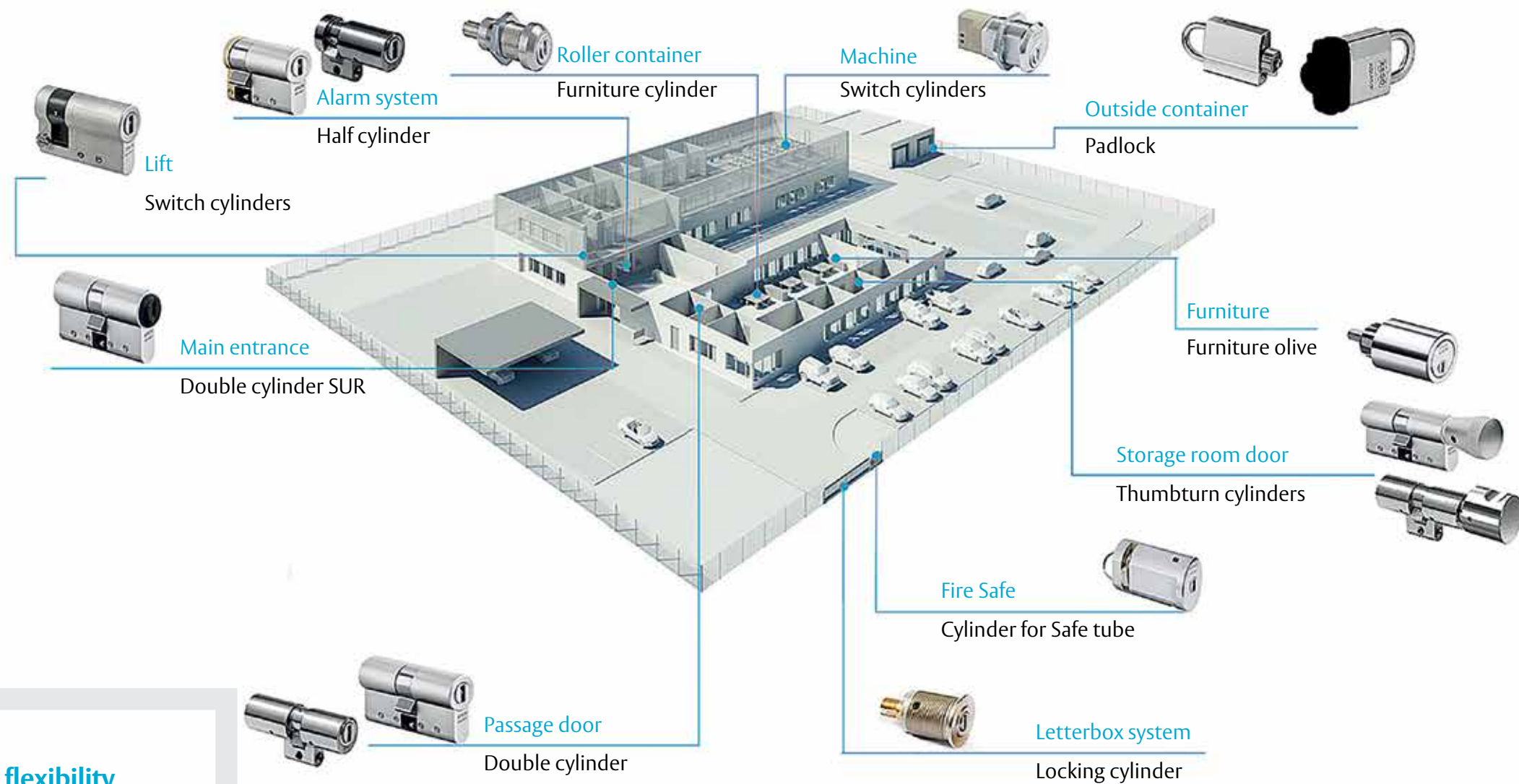
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eCLIQ fits every application! Easy installation – no cables required

The compact eCLIQ locking cylinder offers maximum security. Thanks to the large selection of cylinder types, the system is suitable for all kinds of applications - from the company's entrance gate to securing alarm systems, lifts, doors, and cabinets.

With extensive certifications covering many areas of application including outdoor areas, building operators are well equipped for all current and future requirements.



eCLIQ – complete flexibility

- Modular system
- Large selection of locking cylinders
- Maintenance-free up to 200,000 cycles
- Easy installation without wiring

The eCLIQ locking system in action

Maximum flexibility and greater security for companies



Personnel changes, temporary employment situations, and partnerships with other companies are part of everyday life. Lost keys can easily fall into the wrong hands.

The eCLIQ locking system overcomes difficulties associated with the constant change of access authorisations. With its optimal combination of flexibility, convenience and security, eCLIQ the logical solution.

eCLIQ is more durable, more secure and more efficient than conventional locking systems and protects properties of all types and sizes through the flexible issuing of access authorisations.

Examples

On-the-go management



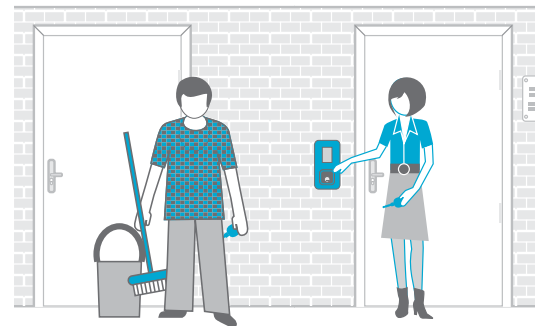
The administrator manages the system via CLIQ®Web Manager at any time and from any location – the only requirement is Internet access.

On-site administration



The receptionist programs and controls the issuance and return of the visitor key (E3-remote) with the CLIQ®Web Manager.

Employees on site



Due to changing requirements and high fluctuation, cleaning staff, for example, are given an E3-remote key for doors with a lower security level.

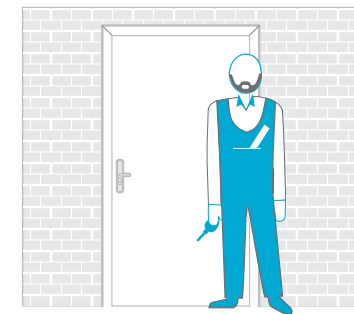
Employees regularly update the validity of their keys (time and remote) via remote programming devices to minimise the risk of key loss.

Employees on the move

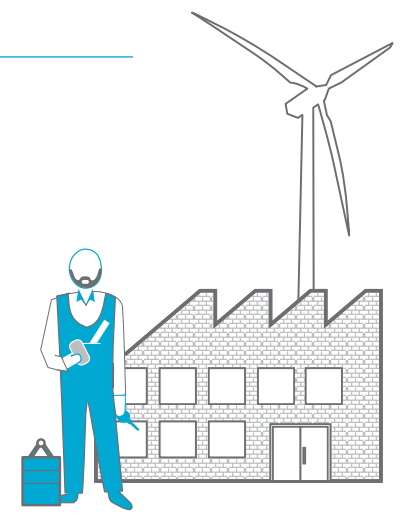


An employee is on the move and needs new access authorisations immediately. The employee informs the administrator, who makes such changes available via the mobile programming device.

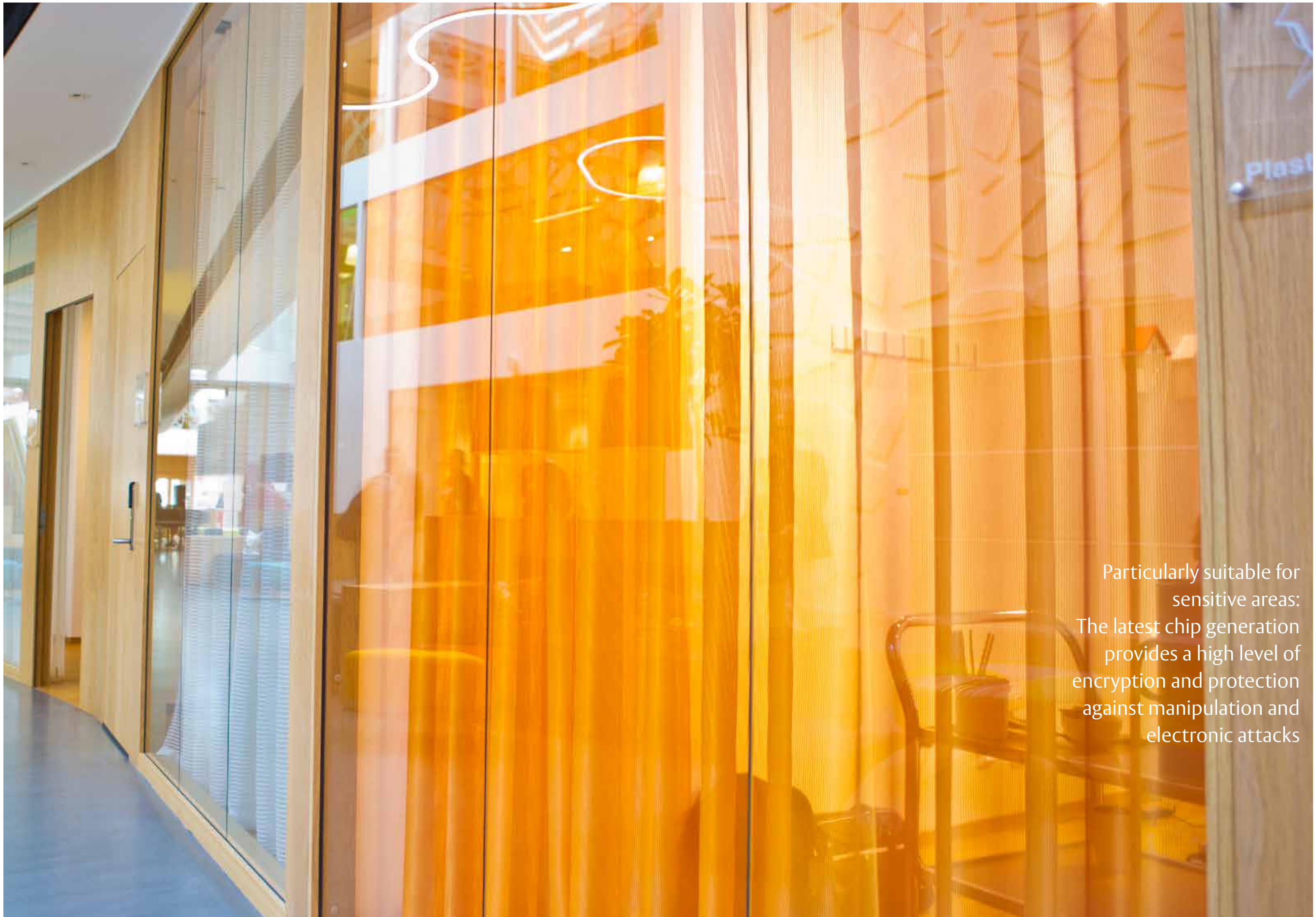
Employees or contractors on site or on the move



Security personnel use CLIQ®Web Manager and the programming key at another location to change access authorisations for the locking cylinder.



Time-limited access authorisations can be granted for other locations to users who have (E3-remote) keys. This is done with the Mobile PD and a mobile phone.



Particularly suitable for
sensitive areas:
The latest chip generation
provides a high level of
encryption and protection
against manipulation and
electronic attacks

eCLIQ system components

Keys and cylinders



- Compact key design ensures stability and long service life
- Reversible key: Always fits, no matter how it is inserted into the cylinder
- Visual and acoustic signals for access authorisations, time zones and battery status
- Protected against temporary immersion in water (IP67)
- Available in three versions (E1 basic, E2 time and E3 remote)
- Integrated standard battery (RC2450 lithium cell) for up to 100,000 locking operations and approx. 10-year service life
- Battery replacement without tools



User key E1, E2, E3

- E1 basic** for simple access authorisations
- E2 time** with time-limited access authorisations and event logs
- E3 remote** with time-limited access authorisations and event logs



Spark key

The Spark key is the first battery-free eCLIQ key that opens doors with self-generated energy. It can be used in mixed operation with all available eCLIQ cylinders and all other keys based on eCLIQ technology.

Programming key

The red programming key communicates authorisation changes and event lists between the software and the locking cylinder. At the same time, it is used to authorise the use of the software. Now also available with Bluetooth® function.

CLIQ Connect key

eCLIQ® Connect is an extension of the eCLIQ solution and enables keys to be updated anywhere and at any time via an iOS or Android device. Users can update their access authorisations securely and without an additional programming device via the CLIQ Connect app. New authorisations are quickly and easily transferred to the eCLIQ key via Bluetooth®.



“Beluga” user key

Intended for outdoor use (-30°C to +50°C), e.g. the key can be stored in fire brigade safes.



User key “Ex”

User keys are optionally available for use in Zone 1 explosion hazard areas (II 2G EX IB IIB T4 Gb)

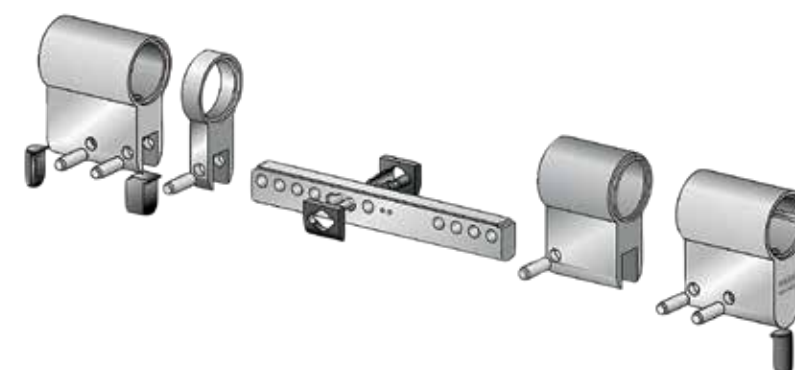
Cylinder

The cylinder automatically controls all programmed access authorisations and rejects unauthorised keys.



Optional dust and rain protection cap

Outside cylinder for all weather conditions, e.g. on radio masts. The cap ensures IP55 and is suitable for all cylinder types.



- Highly secure protection against tampering and intelligent break-in attempts
- Integrated microchip for storing locking authorisations and event logs
- Use under demanding environmental conditions (temperature range: -25°C to +85°C)
- Maintenance-free up to 200,000 cycles (with integrated lubricant depot)
- Central key channel and a minimal core protrusion for problem-free installation in conjunction with security fittings and other locks
- Optionally available with enhanced drilling protection
- Convenience function for user keys

Authorisation

1,000 memory locations for individual keys and groups of keys (over 65,000 keys per group)

Locking functions

for up to 1,500 keys

Event memory

for up to 750 events

eCLIQ is also available with a transponder

Key with integrated RFID chip for integration into transponder-based systems, e.g. access control systems.



Flexible modular system

Euro profile cylinders in lengths from 28 mm per side. Standard lengths from 60 mm to 120 mm overall length in 5 mm increments. Special lengths up to a total length of 240 mm are also available.

eCLIQ system components

Management software

The Cliq® system offer reliable and uncomplicated management software in two versions for programming access authorisations and schedules for keys, doors, and users:



CLIQ®Local Manager

- Locally installed management software for single and multiple CLIQ® locking systems
- Convenient and intuitive to use, for easy management of CLIQ® locking systems in small and medium-sized companies
- Plug and Play activation
- Improved security with two-factor authentication
- Supports GDPR compliance use
- Flexible and time-saving thanks to anticipatory changes without the presence of the key owner

- Tiered service levels
- User notifications to increase efficiency
- Integrated workflows take into account practical work steps
- Easily generated evaluations
- Simple administration of different user groups
- Easily accessible .log files facilitate fast support processes
- High acceptance among staff and works councils due to technical approver function

Locally installed management software



CLIQ®Web Manager

- Enables access to locking system management from any location with access to the Internet at any time
- Ideal for managing very large locking systems and systems spread over several locations
- Internet application for multiple administrators, accessible from a client via a standard Internet browser
- Powerful design permits the management of locking systems of any size
- Technical approver function for collecting event logs ensures a high level of protection of personal data

- Step-by-step user guidance and clear user interfaces reduce training requirements
- Revalidation options help to block lost keys and protect system security
- Central server and data storage as well as network-compatible client/server design
- Network connection 128-bit AES encryption and additional security through software certificates for client and server

Internet-based management software

eCLIQ system components

Programming device



The programming device is used to change time settings and access authorisations (depending on key type) as well as to read event logs.



Table-top programming device
For local and central use

Table-top programming device

- Communication interface for secure data transfer between CLIQ® management software and programming key
- Programming of user keys and reading station for the event log memory in the user key, time and remote
- USB connection



Wall programming device
Local and decentralised use (e.g. at entrances)

Wall programming device

- Remote programming of access authorisations and validity of user keys (time and remote)
- Transmission of programming tasks to programming keys
- For decentralised management
- Programming functions run automatically with optical and acoustic signals
- Power supply via 12 – 24 V mains connection or "Power over Ethernet"
- Outdoor version for areas requiring vandalism protection (protection class IP65 and IK09 – vandalism protected)
- Data transfer via standard Ethernet cable
- Protected against dripping water



Mobile programming device
Location-independent use directly at the key owner's location

Mobile programming device

- Remote programming of access authorisations and validity of user keys (time and remote)
- Transmission of programming tasks to programming keys
- For decentralised management
- Acoustic and optical signals for operating status and progress of activity
- Data transfer to the mobile device via smartphone or tablet Bluetooth, and via USB to the PC
- Power supply using standard batteries
- Mini-USB port for data exchange via cable
- Protected against dripping water

Locking systems and more - integrated security technology for the entire building

Whether for companies, institutions, authorities or for industrial and administrative buildings: You can always rely on ASSA ABLOY products. Especially when implementing a new locking system, it makes sense to think about security devices that go beyond mere access control. In this way, door fittings protect against attacks on locking cylinders and mortise locks and give them a secure hold in the door leaf. ASSA ABLOY also offers a compelling system solution for automatic door locking systems. The modular system design enables a wide range of model variations in identical housing and thus uniform design. The door closers from ASSA ABLOY offer a high

level of access convenience thanks to perfectly controlled closing and opening forces.

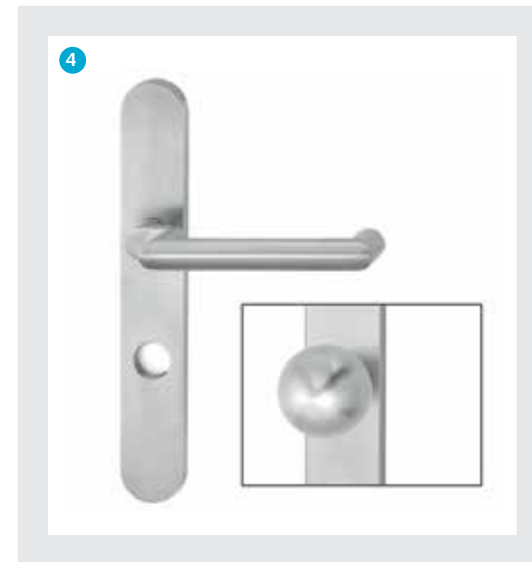
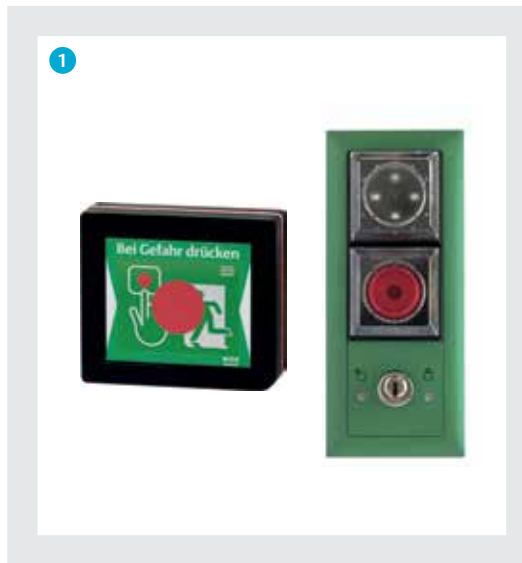
With their anti-panic function and self-locking mechanism, effeff security locks also guarantee maximum mechanical security combined with user friendly operation. If you want to take additional precautions in the event of danger, effeff escape route technology is the ideal solution. This adds several dimensions to your new locking system and offers comprehensive additional benefits that will prove to be a good investment, not only in the event of a break-in.

1 The effeff escape and rescue route product range complies with the latest Swiss and European standards. The variety of terminal versions and design variants ideally unite the customer's legal requirements and aesthetic preferences.

2 The mechanical single-point locking system CASA Alpha SV from MSL is ideally suited to all wooden doors due to its excellent adaptability. The DIN direction and the panic exit side can be easily changed if required. Suitable for burglary and fire protection.

3 ASSA ABLOY door closers complement almost every customer requirement relating to doors.

4 ASSA ABLOY security fittings captivate with their high-quality and timeless design, they support all aspects of security around the door and comply with the legal requirements for escape route technology and resistance classes.



The ASSA ABLOY Group is the global leader in access solutions. Every day we help people to feel safer and more secure and to experience a more open world.

ASSA ABLOY
Opening Solutions

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