eCLIQ – Your electronic key to digital access

Customer references

ASSA ABLOY

Experience a safer and more open world

CLIQ®

With eCLIQ you can secure and manage all access points digitally, to keep your people and assets safe.

It is convenient, flexible and cost-efficient – bringing peace of mind to everyone.

The 4 elements of your eCLIQ system

Software

Whether you run a small business or your requirement is larger, our software solutions make it easy to manage your system

Programming devices

A range of programming devices enables you to configure the system to meet the needs of different users and applications

Software administers your CLIQ system

Programming device transfers and updates access rights

CLIQ Web Manager

Desktop

CLIQ Local Manager

Wall

CLIQ Go

App

Profile cylinders

Connect

Padlocks

Professional

Special cylinders

Basic

CLIQ®

Cylinder stores access rights and audit trails

Key with battery powers the cylinder

Cylinders

A wide range of battery-free cylinders and padlocks lock all your access points, such as interior and exterior doors, gates, cabinets, lockers and more

Keys

A range of programmable smart keys ensure each user has a key that suits their workflow – access rights can be updated instantly as requirements change
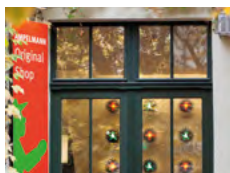
Life is easier when you just CLIQ®

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These customers – and many more
around the world – rely on eCLIQ

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Education

Schools of Düsseldorf

eCLIQ meets the demands of modern school operations, providing cost effectiveness, security and efficient workflow management

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Entertainment, Sports & Culture
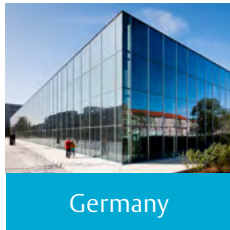
Bauhaus Museum

The museum needed a security system that could manage access authorisations as easily as possible and blend in with the building's sophisticated architecture
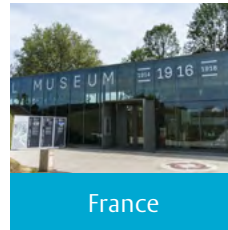
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Historical and Thiepval Museums

Access management for multiple buildings can now be managed from a single eCLIQ system, saving the museum time and money

France — 40
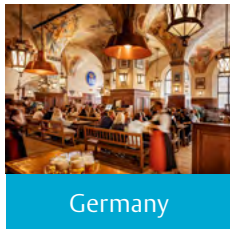
Hofbräuhaus München

The historic venue required easy access rights management for staff and service providers, as well as simple, low-impact installation to preserve the building
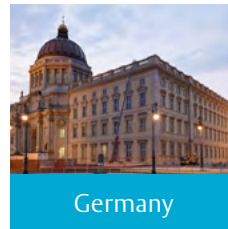
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Humboldt Forum Museum

The building needed a flexible solution to support different room uses. eCLIQ offered a very high standard of security and simple access rights management
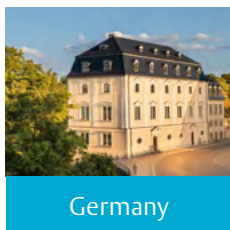
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Klassik Stiftung Weimar Museum

By choosing eCLIQ, Klassik Stiftung Weimar was able to upgrade the access management of its historic building without damaging any doors
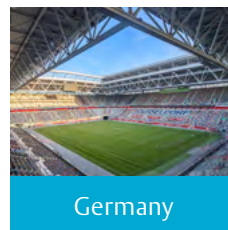
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MERKUR SPIEL-ARENA

With eCLIQ Connect keys, stadium managers were able to quickly and easily grant or revoke authorisations to external organisers and operators via Bluetooth

Germany — 48
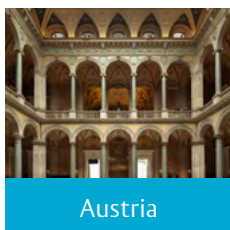
Museum of Applied Arts

The decisive factor in choosing eCLIQ was the ability to change access rights quickly and easily, which was essential due to the museum's constantly changing exhibitions

Austria — 50
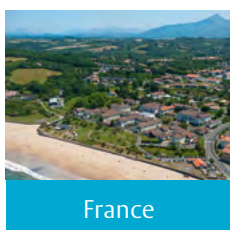
Healthcare

Marin Hospital of Hendaye

Increased convenience and comfort for staff, who previously had to carry large bunch of keys, was just one of many requirements for the hospital's access management system

France — 54

NHS Raigmore Hospital

Installing eCLIQ meant that facility managers across the different sites now have a detailed overview of who is accessing rooms, which is essential for hospital security

United Kingdom — 56

University Hospital Frankfurt

Thanks to the high level of modularity and ease of use, the decision to install an eCLIQ locking system was quickly made

Germany — 58

Industry & Utilities
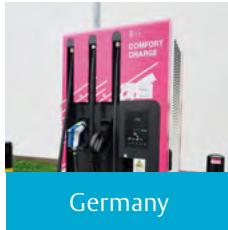
Comfort Charge

Deutsche Telekom subsidiary Comfort Charge chose eCLIQ for its electric vehicle charging stations, because they wanted a secure and weatherproof system

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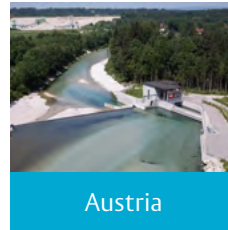
K&F Drack

The eCLIQ system was chosen for its flexibility in installation and use, as well as its low maintenance requirements

Austria 64

OXG Glasfaser GmbH

The joint venture between Vodafone and Altice relies on eCLIQ to secure their fibre optic stations across Germany due to its reliability, robustness and weather resistance

Germany 66

ZMS waste management

The joint association for the disposal of residual waste in Bavaria upgraded to eCLIQ to boost flexibility over existing mechanical locking

Germany 68

Residential
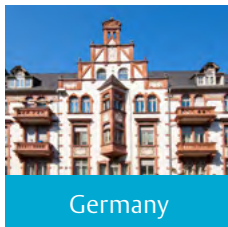
GWW apartment buildings

Wiesbaden's largest housing provider chose the eCLIQ electronic locking system because it offers modern management and full flexibility

Germany 72
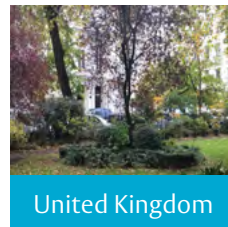
Leinster Square Gardens

This London communal garden area sought a system that could monitor key usage, needed no power source and was weather resistant

United Kingdom 74
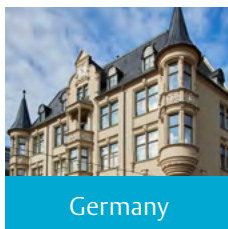
Multi-use building in Erfurt

This historic building chose eCLIQ access management because the installation did not require any structural changes to the doors

Germany 76
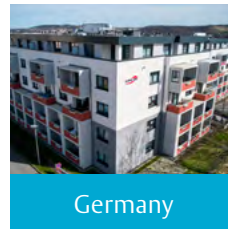
WeidenCarré residential buildings

The housing association WBG "Glück Auf" Gera eG chose eCLIQ because it's easy to use for service providers and all generations of residents

Germany 78
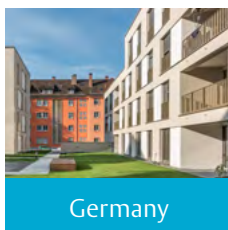
WOBAK multi-use buildings

Managing many properties, this housing company regularly experienced problems with lost keys and eCLIQ helped to solve this problem

Germany 80

Commercial & Services

eCLIQ for commercial and public buildings

Upgrade security.
Lower costs.

"We decided to install eCLIQ wireless access management because of the good reputation of ASSA ABLOY equipment."

M. Bertho, director of technical services for Saint Jacut de la Mer

The security of your business, employees and visitors is clearly a priority for you. With eCLIQ, you get both high-end physical and electronic protection and because there are no wires required, it can be retrofitted and installed into historic buildings with ease.

You also have the peace of mind that managing and using access points with eCLIQ is easy. Allowing everyone to move freely around your building, while keeping private and restricted areas secure.

eCLIQ is the ideal flexible solution for branches of AMPELMANN GmbH

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Safety boost for Berlin's "traffic light man"

"eCLIQ.... enables quick and easy administration of access authorizations, making it the perfect choice for medium-sized companies" Uli Hahn, Managing Director of specialist locksmith, Hinz

CLIQ® WebManager

| Administration software | Wall programming device | Keys | Cylinders |

Project: Ampelmann shops & cafe
Type: Commercial/retail
Location: Berlin, Germany
ASSA ABLOY partner: Schlüsseldienst Hinz, Berlin
Devices installed: eCLIQ locking system with programmable, battery-powered keys and locking cylinders
Year of Installation: 2015

Challenge

Founded by Markus Hechhausen in 1996, AMPELMANN is a family-owned company from Berlin Mitte that works to grow the AMPELMANN® brand. The company owns the trademark of the Ampelmännchen traffic light characters used in East Germany.

All products featuring this cult character are developed and designed by AMPELMANN and manufactured and sold on behalf of AMPELMANN. Products in the collection have been used in many designs, and have gained recognition also in the international market. The six AMPELMANN shops are located in Berlin's best shopping locations. The company portfolio also includes a restaurant, a café, and bike taxis.

AMPELMANN required a security solution to meet the needs of its decentralised organisation with local branches.

Solution

The eCLIQ electronic locking system offers full flexibility with state-of-the-art management of locking systems, which is why AMPELMANN GmbH chose this system. This user-friendly and reliable solution is distinguished by robust, durable and secure components, as well as a compact form and striking design.

"Decisive in our choice of eCLIQ was that we could control access authorizations easily and flexibly at any time," explains Markus Heckhausen, owner of AMPELMANN GmbH. *"If a key is lost, we can easily deactivate it and disable it."*

However, the deciding factor was functionality: changes in access authorisation can now be made easily and flexibly by assigning rights within eCLIQ. This can take place either at the cylinders or on the keys.

Any lost keys are simply deactivated. It is also possible to issue temporary and location-limited access authorisations. For instance, technicians can be issued a single authorisation for a specific task, or cleaners can be granted access to certain branches at specific times.

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eCLIQ electronic locking puts an Italian bank in complete control of their entrances

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CLIQ technology provides the flexible high security all banks need

"We are satisfied with the results of the new access control solution." Claudio Brisia, Logical Security Manager at Creval, Sondrio

CLIQ® WebManager

Administration software | Wall programming device | Keys | Cylinders

Project: Creval
Type: Banking
Location: Sondrio, Italy
Devices installed: 30 eCLIQ programmable keys and cylinders
Year of installation: 2018

Challenge

Credito Valtellinese (or Creval) has been providing banking services in the region of Lombardy, northern Italy, for over a century. Originally a mutual, new financial sector regulations required it to become an S.p.A. from 2016.

Requirements for new entrance locking at Creval sites included:

· Locks which offer a durable, secure and flexible alternative to a standard mechanical master-key system
· Access control able to form an integral part of a security system which must ensure assets and people have the highest level of protection
· An easy, electronic way to administer a system based on familiar physical keys
· The flexibility to design access permissions around individual needs, so not everyone can access every area whenever they choose

Solution

Creval chose eCLIQ key-based access management to provide flexible security for its banking premises. Its doors across Lombardy are now guarded by durable, programmable locking cylinders – putting Creval managers in complete control of entrance security.

eCLIQ is a scalable electronic version of the CLIQ mechatronic access management ecosystem deployed in critical infrastructure sites across Europe. Cylinders are fully electronic, protected against manipulation and with AES encryption built into both lock and key microelectronics. Staff carry a single eCLIQ battery-powered key, programmed with only appropriate, preauthorised access permissions.

Creval's security manager is now able to grant access based on scheduled times and specific doors, and right down to the level of the individual site user. It is also straightforward to set time-limited access rights for a user key, increasing security if a key gets lost. Audit trails and event logs are collected to the same, fine-grained degree.

Key management is easy using software operated from a local PC or securely on the web via a standard browser. In the unlikely event a key is misplaced, administrators simply delete its validity from the system.

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At Hagedorn, ASSA ABLOY provides a combination of access control and electronic master key system

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Aperio® and eCLIQ devices are controlled from a single, integrated interface

"The shared user interface between SCALA net and CLIQ Web Manager has made daily access management tasks much easier." Tim Stebel, System Administrator, Hagedorn Management GmbH

Project: Hagedorn
Type: Industrial
Location: Gütersloh, Germany
Devices installed: SCALA net electronic access control system with Aperio® wireless locks and key-operated electronic eCLIQ devices
Year of installation: 2022
ASSA ABLOY brand: effeff/IKON

Challenge

The Hagedorn Group is Germany's most efficient all-round service provider in the fields of demolition, disposal, civil engineering and land revitalization. The Group's process chain includes the remediation of contaminated sites, recycling, heavy-duty logistics and crane services. This family business is one of the top 5 largest and most successful demolition companies in the world: In addition to its headquarters in Gütersloh, Hagedorn operates across Germany.

Hagedorn's previous access control solution was becoming too inflexible for the company's needs.

Key requirements when commissioning their new system included:
· In addition to entrance and interior doors, many other openings at a range of locations had to be secured with appropriate access control
· In order to assign authorizations centrally and as simply as possible, a single, integrated software solution should be used for system management

Solution

Hagedorn chose a SCALA net electronic access system integrated with Aperio battery-powered locks and eCLIQ programmable key access management. The system can be expanded as much as required and adapts continuously to Hagedorn's requirements.

The eCLIQ system's wireless locking cylinders and electronic keys were selected for several areas and properties. The wide range of eCLIQ cylinder types can secure doors and smaller openings such as lockers, padlocks and switchable locks in machines and vehicles.

Both eCLIQ and Aperio battery-powered devices are integrated in one system. With a seamless interface between the CLIQ Web Manager software and SCALA net, Hagedorn can flexibly manage keys and ID cards from a single interface where they assign or delete authorizations.
"General authorizations for a key or card can be granted, changed or deleted at any time with just a few clicks," explains Hagedorn's Tim Stebel.

With regard to the fall-back level, the solution was explicitly chosen to allow secure access even in the event of a power failure or other problems. In addition, their system can be expanded any time with additional cylinders and other access control devices to meet Hagedorn's evolving security needs.

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CLIQ® Go solves a fire brigade's lost key problem

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CLIQ is in use by the Mistelbach fire brigade

Access rights of the system are managed via the CLIQ Go app

Keys

Cylinders

Project: Mistelbach volunteer fire brigade
Type: Public services
Location: Mistelbach, Austria
ASSA ABLOY partner: Alexander Kopp Schlosserei & Sicherheitstechnik, Parndorf
Devices installed: CLIQ Go system with 50 programmable eCLIQ keys and 15 cylinders
Year of installation: 2019

Challenge

For 140 years, the voluntary fire brigade in Mistelbach has not only been fighting the dangers created by fires, but has also provided first aid in special operations, such as vehicle recoveries and rescue work. An additional assistance service is also in place to provide regional aid in the event of a disaster and to support or relieve fire brigades in large assignments (such as large-scale fires, natural disasters, supplying emergency provisions to the population or clearing roads).

Michael Holzschuh, assistant commander of the voluntary fire brigade, outlined the requirements for a locking system clearly:
"Quick response is essential if we are called out and every second counts. And it's easy for things to get lost. To lose a key is particularly irritating. 50 colleagues, which means 50 keys. In the past, losing a key was a major problem. We can't allow just anyone to have access."

Solution

Alexander Kopp, from the Parndorf company of the same name specialising in security technology, recommended ASSA ABLOY: *"The major advantage of the CLIQ master key system is the easy key management. One key for all cylinders. Programming is easy and there are no additional software costs. Access can be defined individually for every key and blocked again easily if a key is lost."* The CLIQ principle has also made retrofitting much easier, as no cables need to be routed for the installation. The power supply is provided via batteries in the key, which are extremely easy to replace, and not via the cylinder.

CLIQ Go is designed for small organizations without specialist security teams – and is based on the same wireless, key-operated CLIQ access control technology that secures sensitive critical infrastructure sites Europe-wide. With CLIQ Go, anyone can manage their own security from a smartphone app.

Now it is straightforward for Mistelbach's fire brigade to block lost keys or even authorise new users directly from the app. If they want to restrict access to certain times or days, a few swipes on a screen is all it takes. Plus, CLIQ's single programmable key profile makes it easy for locksmiths to keep CLIQ Go spares in stock.

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eCLIQ is the optimum electronic locking system for the municipality of Eurasburg

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Cloud-based CLIQ® Web Manager makes it easy to administer access for dispersed sites

Project: Municipality of Eurasburg
Type: Public buildings
Location: Upper Bavaria, Germany
Devices installed: approx. 300 eCLIQ cylinders
Year of installation: 2021

Challenge

Eurasburg is located in the Loisach Valley, near Lake Starnberg in Bavaria. A total of around 4,400 inhabitants live in its 52 districts, which cover an area of almost 41 square kilometres.

The municipality was looking for a new, flexible, electronic locking solution which would meet today's security standards. It was required for various properties including the town hall, school buildings, a public works yard, another town hall in Achmühle and fire stations in Beuerberg, Herrhausen and Eurasburg.

Until now the buildings – some quite far apart from one another – had been secured with an ASSA ABLOY mechanical master key system dating from 1976. The municipal government had been very satisfied with the performance of this system for many years.

Solution

Eurasburg Municipality decided on the eCLIQ fully electronic, programmable key access management system from ASSA ABLOY. This system offers maximum flexibility combined with modern master key system management. Reliable and uncomplicated, the solution stands out for its compact form, striking design and robust, durable, secure components.

An eCLIQ system can be managed via a flexible, easily scalable cloud-based platform: CLIQ Web Manager (CWM). The software is particularly suitable for large systems or when a number of locations are far apart from one another, as is the case in Eurasburg. Because the CWM client is platform independent, and therefore suitable for any standard web browser, it was easily installed on the municipality's server.

Another crucial function was the ability to change a key's authorizations easily and flexibly via access rights management. Any lost or stolen keys are simply deactivated via the CWM interface.

Authorizations with time and/or room restrictions are also made possible. For instance, municipality staff can issue technicians with a single authorization for a specific task, or cleaners can be granted access only at specific times. It streamlines the management of Eurasburg's service providers.

eCLIQ protects vintage cars and caravans at parkNsafe

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With eCLIQ programmable keys, it's easy to manage constantly changing users

"For 99 tenants, access to sanitary facilities and a warehouse for vintage cars, an electronic locking system is a perfect solution. Our contact person K&K-Beschläge Heilbronn also took over the programming and installation. Very good service!" Jörg Nusser, owner of parkNsafe, Winnenden

Project: parkNsafe
Type: Commercial
Location: Winnenden, Germany
Devices installed: eCLIQ access management system for 58 garages and 41 parking spaces
Year of installation: 2021

Challenge

ParkNsafe provides secure, modern parking facilities for vintage cars and caravans.

The entire parkNsafe site is illuminated, fenced and permanently alarmed with video surveillance. Almost 100 vehicle owners and parking space renters have free access to the premises around the clock. This means that their locking system should offer uncomplicated management of access authorizations for each individual.

In order to protect parkNsafe's vehicles – most of them very valuable – any chosen access control system must also offer a high level of protection against lock tampering and other intelligent attacks.

Solution

Jörg Nusser, the owner of parkNsafe, chose the eCLIQ digital locking system from ASSA ABLOY.

Why? *"Because the keys are visually appealing, programming is simple and the profile cylinders do not have batteries which need to be replaced,"* he explains.

The decisive factor, however, was that ASSA ABLOY's eCLIQ programmable key solution offers state-of-the-art control with total flexibility.

Access authorizations can be changed quickly and easily with eCLIQ, for example. This is essential, because parkNsafe has a constantly changing roster of clients. Any lost eCLIQ keys can also be deactivated immediately.

System management is carried out from the CLIQ® Web Manager software, which is easy-to-scale and has a totally user-friendly interface.

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Leading civil engineers secure their premises with eCLIQ access management

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Almost any locking application is covered by eCLIQ

"With the eCLIQ locking system, we have found the perfect system. The system offers us the highest possible flexibility with minimal administrative effort."
Benjamin Rath,
Managing Director of Rath GmbH

Project: Rath
Type: Commercial
Location: Haiterbach, southern Germany
Devices installed: complete eCLIQ electronic key-operated access management system
Year of installation: 2020

Challenge
Based in the Black Forest, southwest of Stuttgart, Rath GmbH & Co. KG is a medium-sized company with around 100 employees.

The range of services Rath provides includes civil engineering and road construction, raw material extraction and the recycling of building materials. The Rath name has stood for quality in construction for more than 110 years.

To secure new premises serving as the company headquarters and workshops, Rath required a locking system suited to both offices and other applications across the entire company. Theft is a major issue on construction sites – another reason why site security is so important.

Solution
The company opted for an ASSA ABLOY eCLIQ locking system to secure the many different application cases around their premises. With eCLIQ's programmable electronic keys, employees can operate all types of lock, from padlocks to con-struction trailer doors and administration buildings.

New users and new devices are easily integrated into the system at any time. Access authorizations may be granted or withdrawn in no time thanks to the intuitive eCLIQ software included.

RheinfelsQuellen relies on an eCLIQ electronic access management system

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Cloud-based management makes eCLIQ ideal for large or dispersed companies

"We are very satisfied with eCLIQ and would choose this secure and flexible locking solution time and time again."
Marcus Schlötels, Project Manager at RheinfelsQuellen H. Hövelmann GmbH & Co. KG

Project: RheinfelsQuellen
Type: Commercial
Location: Duisburg, Germany
Devices installed: 400 eCLIQ programmable keys and approx. 530 cylinders
Year of installation: 2021

Challenge

Headquartered in Duisburg, RheinfelsQuellen H. Hövelmann is a family-owned company with a long tradition. This beverage group has been run by the Hövelmann family since 1905 and is currently in its fourth generation. Its product range includes nationally distributed brands Sinalco, Aquintéll and Staatl. Fachingen, as well as brands distributed within North Rhine-Westphalia such as Rheinfels Quelle, Römerwall, Burgwallbronn, Ardey Quelle, Urquell and Rheinperle.

A company like RheinfelsQuellen is always on the move: New divisions are established, employees relocate or processes change.

Suppliers, contractors and the company's own 650 personnel come and go. This means that access authorizations must change on a regular basis. At the same time, areas and locations to be protected require different security levels, and access management devices need reliable weather resistance in outdoor areas.

Solution

For its Duisburg HQ and other locations around North Rhine–Westphalia, RheinfelsQuellen opted for an eCLIQ key-operated electronic access management system. In addition to administrative buildings, production facilities and outdoor areas are also secured with eCLIQ.

ASSA ABLOY's eCLIQ is a fully electronic version of CLIQ® programmable key access management. Cylinders offer a high level of protection against tampering and intelligent attacks. All eCLIQ keys are extremely robust, with a waterproof casing – and thus meet the high demands placed on outdoor access management by challenging environmental conditions.

This key-based access management system can be managed independently by the CLIQ Web Manager (CWM) – a flexible, easily scalable, cloud-based platform. System data may be accessed at any time, and from any location, via the CWM interface. The software's flexibility makes it especially well-suited to large access systems and/or for administering multiple locations which are geographically dispersed.
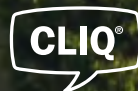
A French town unifies and simplifies its access management with eCLIQ

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eCLIQ gives the town security and flexibility in how they manage access

"We decided to install eCLIQ wireless access management because of the good reputation of ASSA ABLOY equipment."
M. Bertho, director of technical services for Saint Jacut de la Mer

Project: Saint Jacut de la Mer
Type: Public buildings
Location: Brittany, France
Devices installed: approx. 65 eCLIQ programmable keys and 42 cylinders (single and padlocks)
Year of installation: 2022

Challenge

Saint Jacut de la Mer, on Brittany's Côtes d'Armor, faced growing difficulties with access management for their municipal buildings.

Keys were being lost – and the costs of rekeying put pressure on budgets. Staff needing to hold and track multiple keys was inconvenient and further contributed to key loss. And because different access solutions had been installed over the years, security levels were not consistent across properties.

The arrival of a new director of technical services brought a new approach to access control.

Key requirements for a proposed new system included:
· A solution which would harmonize security and access management across the town
· A wireless electronic system which would be easy to install at doors and other openings
· A way to solve a persistent problem of lost keys and the cost and workload they create

Solution

After much research, a hands-on demonstration and consulting a local hardware supplier, buildings around the town have been equipped with eCLIQ electronic locking cylinders. This first phase includes the Town Hall, festival hall, school restaurant, meeting house and more. All these properties now enjoy the benefit of convenient, secure access management within a single eCLIQ system.

Because M. Bertho can instantly see the status of all eCLIQ-equipped premises, he can issue individually tailored access rights. Each user unlocks all the openings they need for their day-to-day work with one programmable eCLIQ key.

For example, canteen staff, cleaners and delivery teams have their own access slots for the school restaurant. The local campsite is safer: If seasonal workers lose their key, its rights are removed immediately. At the Town Hall, only those with authorization can enter. Daily life for residents has improved.

"We trust ASSA ABLOY," adds M. Bertho, who was also impressed by the simplicity and speed of installation. Indeed, the town has already decided to extend coverage of their system to new buildings every year. Next up are the elementary school (9 doors) and cultural centre (5 openings). The ultimate objective is to equip all Saint Jacut's public buildings with eCLIQ.

Satellite Office secures listed Berlin building with eCLIQ access management

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Wire-free installation ensured the heritage interiors were not damaged

Project: Satellite Office
Type: Office/corporate
Location: Berlin, Germany
Devices installed: eCLIQ double- and half-cylinders & CLIQ Local Manager software
Year of installation: 2021

Challenge

"Work where others would like to work" – according to this principle, Satellite Office has been offering flexible offices and workstations in the luxury segment for 25 years. It is the pioneer for premium workspaces in the leading business cities of Germany and Switzerland, with four Satellite Offices in Berlin alone.

In addition to strict requirements for acoustics and equipment, Satellite Office locations also make no compromises when it comes to security.

Due to the flexibility that Satellite Office offers its customers, the workspace specialist was looking for a locking solution that is flexible and able to work anywhere, at any time.

In addition, the solution had to be suitable for use in a listed building whose historical appearance and valuable doors must not be altered or damaged.

Solution

The building at Kurfürstendamm 15 was once a luxury cinema – *"Gloria Berlin"* – from where Marlene Dietrich attracted global attention in *"The Blue Angel"*. Today, it is one of the newest Satellite Offices, located inside a historic building renovated with great attention to detail, and including a roof terrace.

To filter and monitor building access, Satellite Office deployed the eCLIQ electronic locking system from ASSA ABLOY. The durable and timeless aesthetic of eCLIQ devices combines high electronic and mechanical security.

Another major positive for this heritage setting was eCLIQ's ease of installation: Doors and components do not need to be wired. Power supply to eCLIQ electronic locks is provided by a standard battery inside every eCLIQ key.

Satellite Office uses CLIQ® Local Manager to manage their eCLIQ system. Its user-friendly interface is installed locally on a PC and is therefore ideally suited to Gloria Berlin and other Satellite Offices.
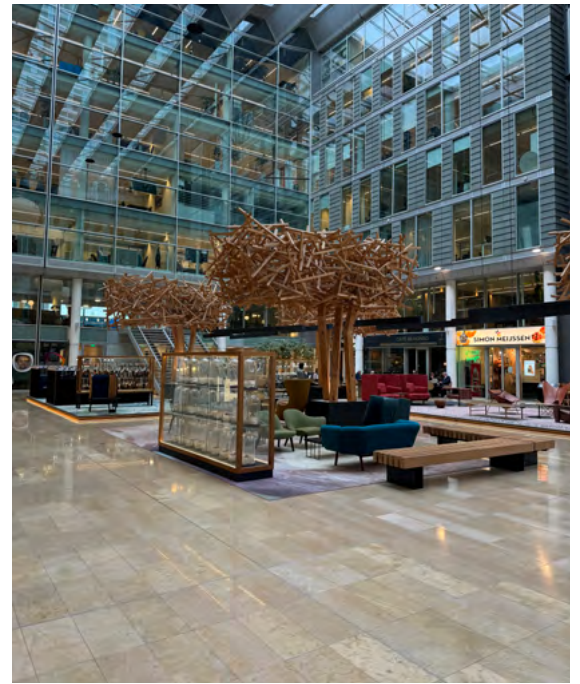
The remodelled KUD15 Gloria Berlin with eCLIQ access management received the best possible sustainability certificate from DGNB, Platinum – the first time this has been awarded to a listed building.

Amsterdam's World Trade Center streamlines operations with eCLIQ digital access

ASSA ABLOY

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eCLIQ wireless devices simplify the management of temporary on-site workers

"Granting temporary controlled access to third parties is very easy with the eCLIQ system. We can set access for a certain period of time, but we can also revoke it at any time."

Sander Borggreve, Facility Manager at WTC Amsterdam

Project: WTC Amsterdam
Segment: Office/mixed-use
Location: Amsterdam, Netherlands
Devices installed: eCLIQ system with more than 1,000 electronic cylinders and ASSA ABLOY Traka key management solution
Year of installation: 2022–23

Challenge

World Trade Center (WTC) Amsterdam houses a community of more than 300 companies in the heart of Amsterdam's Zuidas business district. More than just an office space, WTC Amsterdam has complementary onsite facilities including childcare, a gym, physiotherapy clinic, bar/café, dry cleaning service and more.

The absolute requirement to provide a safe working environment in WTC's fixed and flexible offices goes without saying. However, managers also wanted more from their access and solution.

Key criteria

· A more efficient way to manage the many contractors and suppliers who enter the buildings
· A wire-free solution which made it easy to switch 1,000 doors from mechanical to digital security
· Better oversight of movement around the building, including usage data to improve maintenance scheduling
· Intuitive management, allowing for easy changing of individual access authorizations

Solution

WTC Amsterdam managers went for ASSA ABLOY's smart key digital access system, eCLIQ. They upgraded around 1,000 doors from mechanical to digital access simply by swapping the existing cylinder for an eCLIQ device. Doors are unlocked by battery-powered user smart keys, with a typical battery lifespan of 10 years.

"Providing these doors with wired access control would be a huge job and become costly. Instead, we opted for the eCLIQ solution," says Sander Borggreve.

Workflows are further simplified by storing keys with a Traka key management system. After removing a key from the cabinet, authorized team members enter it into the adjacent eCLIQ Wall Programming Device. The key is issued with its fine-grained access rights – covering both door-by-door and time validity – in a matter of seconds.

With the eCLIQ system, WTC Amsterdam gained not only control but also insights into usage and user flows. This data then informs maintenance and operations, reducing the overall Total Cost of Ownership for the solution.

"eCLIQ works very pleasantly in practice. My employees are very satisfied with how the keys work," adds Rutger Barendse of D&B The Facility Group, who provide security staff for WTC Amsterdam. *"It is easy as pie!"* adds Sander Borggreve.

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Education

eCLIQ for schools and universities

Deter theft.
Maintain control.

A locking solution that meets the needs of of today's schools and suits a vast range of applications

Schools, universities and other education sites need to be highly secure, while allowing students, staff and visitors to freely use the facilities.

eCLIQ gives you the flexibility to easily manage access to lecture theatres, offices, sensitive document areas and more.

Audit trails are easily available, and if there is ever an issue, and if a key is lost or stolen, there's no need to change the locks – saving you time and money too.

eCLIQ master key system secures more than 30 schools in Düsseldorf

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and more open world

Programmable keys minimize the risk of duplicate keys circulating

Customer: Düsseldorf Office for Schools and Education
Segment: Education
Location: Düsseldorf, Germany
Devices installed: eCLIQ system totalling over 7,200 electronic cylinders and 4,700 programmable keys
Year of installation: 2019 – ongoing

Challenge

In 2015, the city of Düsseldorf launched a large-scale initiative to improve educational infrastructure across the state capital. Since then, many school buildings have been renovated, converted and expanded as part of this modernization program.

A number of new buildings have also been built: Among them is the Friedrich-Rückert-Gymnasium, a full-time grammar school in the north of Düsseldorf. Founded in the early 1970s, this European School with a focus on languages is attended by around 700 pupils. The Lore-Lorentz school, another new-build, is a vocational college and regarded as the district's most modern school building.

Key criteria

· A locking solution that meets the requirements of modern school operations, offering cost-effectiveness, security and efficient workflow management
· A system to suit a vast range of applications, including classrooms, profession-specific rooms (carpentry, printing, kitchens, studios, technical laboratories etc.), admin offices, meeting rooms, canteens, garages, sports halls and storage spaces

Solution

Düsseldorf's Office for Schools and Education opted for ASSA ABLOY's electronic eCLIQ programmable key system as its core security technology. The eCLIQ system is easy to use and program, as system administrators do not have to start each locking cylinder individually to replace batteries, for example. Power is supplied by the key and communication with the cylinder is conducted via user keys and programming keys only. In addition to a compact design, this fully electronic system is characterized by robust, durable and secure components. Locking cylinders have no protruding elements and therefore no attack surfaces for potential vandalism – another reason eCLIQ is a popular choice in schools Europe-wide.

Access authorizations may be issued, deleted or changed in a short time by simple reprogramming via the management software. Teachers and other employees upload individual access rights to their keys via wall programming devices. In cases of key loss, authorizations are withdrawn quickly and easily; the risk of misuse of illegal duplicate keys is also minimized when changing users.

To date, eCLIQ secures access at 30 Düsseldorf schools and colleges: The city-wide rollout continues.

Entertainment, Sports & Culture

eCLIQ for museums and hospitality

Streamline access. Minimize maintenance.

"The eCLIQ locking system provides state-of-the-art security and locking convenience."

Jannis Hlous, Project Manager at Weckbacher Sicherheitssysteme

Whether you manage a sports arena, museum or entertainment venue, you need a highly-secure and cost-effective access management solution. One that creates an open, welcoming environment that allows your visitors to move around with ease, while protecting certain areas of your building.

With the eCLIQ programmable keys, your employees can quickly access restricted rooms, and your visitors can enjoy their experience to the fullest. So they keep coming back. Since eCLIQ is a wire-free locking system, it is suitable for retrofit or historic buildings.

eCLIQ secures the Bauhaus Museum in Dessau

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Experience a safer
and more open world

CLIQ®

With eCLIQ, museum managers tailor access to each site user's individual needs

"The mechatronic CLIQ master key system has already proven itself extremely well in the Bauhaus main building and in the master houses in Dessau."
Uwe Becker, Managing Director of Becker Sicherheitstechnik GmbH

Project: Bauhaus Museum
Type: Culture/Heritage
Location: Dessau, Germany
Devices installed: 100 eCLIQ programmable keys and 200 cylinders
Year of installation: 2019

Challenge

Opened to mark the 100th anniversary of Bauhaus' founding, the Bauhaus Museum Dessau is a comprehensive public presentation of the Bauhaus Dessau Foundation collection. On show for the very first time, this valuable collection includes around 49,000 catalogued exhibits and is the second-largest Bauhaus collection in the world.

Located in the centre of the city, the museum is a building within a building – a suspended concrete structure inside a glass shell. Its architecture is characterized by transparency and simplicity in both concept and aesthetics. The glass façade reflects the surroundings to different degrees, or can be transparent, depending on lighting conditions.

Requirements for an electronic master key system in the museum were clearly set out in advance. The solution must:
· Enable the simplest possible management of access authorizations
· Fit unobtrusively within the building's sophisticated architecture concept

Solution

As in the Bauhaus main building and master houses, the Bauhaus Foundation chose a proven master key system with eCLIQ programmable key access control technology. ASSA ABLOY's electronic eCLIQ master key system was used throughout the entire building.

Every key has an integrated chip, which makes it unique. As a result, keys may be programmed individually to meet the needs and access permissions of each keyholder.

The versatility of eCLIQ is truly demonstrated whenever a key is lost. Key access authorizations can be removed individually by reprogramming the locking cylinders.

For greater flexibility, eCLIQ enables access authorizations to be issued on a time-limited basis, which simplifies the management of external service providers such as maintenance contractors and cleaners.

All eCLIQ keys and cylinders are compatible with the high demands which Bauhaus places on design. They blend seamlessly with the varied installation situations of different doors and with the overall building concept in Dessau.

In France, eCLIQ helps improve museum security

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Programmable eCLIQ keys enable managers to monitor external service providers

"Today, I promote the solution to those around me. I have also given a demonstration to the Somme General Council to show the effectiveness and simplicity of the eCLIQ solution." M. Guyot, Technical and Security Manager, Historial and Thiepval Museums

Wall programming device

Keys

Cylinders

Project: Historial & Thiepval Museums
Type: Heritage / Museum
Location: Somme, France
Devices installed: 33 eCLIQ door cylinders at Historial & 19 at Thiepval; 40 eCLIQ keys; 2 eCLIQ programming devices (1 at each site)
Year of installation: 2015–16

Challenge

These two Somme museums – memorials to Europe's Great War – operate as a single security environment. Access management had been eating up significant time and budget for the museums' Technical and Security Manager.

He sought a "new technology" solution, with simplified access management, including activation and deactivation of keys and the administration of access rights and schedules for the external providers who work regularly for the museums.

Additional requirements for the new access solution included:
· Dependable, trusted, secure entry and exit control to reduce the number of thefts
· User-friendly management of access rights for both internal and external users
· A system able to cope easily with changes, site extensions and two-site operation
· A way to remove the need to change all cylinders when an employee loses a key

Solution

Since 2015, the Historial and Thiepval Museums have been equipped with eCLIQ locking cylinders. Across the two sites, they have distributed 40 durable, compact and waterproof eCLIQ keys, of which 19 are already allocated to regular users. These Bluetooth-enabled keys are available to both employees and contractors, helping the latter to improve their responsiveness when they are needed on-site.

Installing the eCLIQ system has allowed security teams to better monitor their service providers – and their movements around and between the two sites. It is straightforward for museum managers to limit contractors' access rights to the duration of a task, whether recurring or one-off.

Fitting eCLIQ locking was simple and wire-free: museum staff performed the cylinder installation themselves. One training session with the admin software was sufficient to put them at ease with the new system.

"I am very happy with the eCLIQ solution," says Mr Guyot. *"Normally, as a user client, we try to help you improve your products but there was nothing to say in this case."*

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Historic Munich venue protected by eCLIQ wireless digital locking

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Low-profile and with wire-free installation, eCLIQ cylinders are perfect for heritage sites

"Now, everyone carries only one key programmed with details of where and when they can enter. It's perfect."

Robert Graßl, Security Manager, Hofbräuhaus Munich

Customer: Hofbräuhaus am Platzl
Segment: Hospitality
Location: Munich, Germany
Devices installed: eCLIQ system with approx. 100 electronic cylinders and 340 programmable keys
Year of installation: 2023

Challenge

Bavarian Duke Wilhelm V commissioned Munich's Hofbräuhaus in 1589, initially as a brewery to supply the Wittelsbacher Hof. Moved at the end of the 19th century and severely damaged during World War II, it underwent reconstruction in 1958.

The Hofbräuhaus attracts tourists and city locals – seating 3,000 guests indoors and a further 400 in the beer garden.

Key criteria

· A unified system which could authorize access at the Hofbräuhaus and their food production facility in Brunntal
· Easy access rights management for employees and service providers at both sites – including up to 100 waiters per shift
· Simple, low-impact installation which complies with monument preservation requirements

Solution

They opted for ASSA ABLOY's proven eCLIQ system. Every key has an integrated chip and is programmable individually for the user. Its versatility is demonstrated when a key is lost:

Access authorizations are removed rapidly – simply by reprogramming cylinders – ensuring security is maintained. The eCLIQ system also helps manage workflows for service providers such as cleaners: Their access is enabled on a time-limited basis.

All eCLIQ cylinders are compatible with the strict monument preservation requirements; they have a flush fit, so don't even appear part of an electronic locking system. With wireless, inobtrusive installation at the doors, devices blend with the interior. *"We can exchange a mechanical cylinder 1:1 with an eCLIQ cylinder without having to modify anything on the door or install cables,"* confirms Miriem Hammoudi, Business Development Manager at ASSA ABLOY Sicherheitstechnik GmbH.

The system is managed via a flexible, scalable web-based platform, CLIQ Web Manager: *"I can program keys from anywhere or also block them quickly if a key has been lost or if someone is no longer allowed to enter,"* says Robert Graßl. *"And I can install any cylinder in any door by adjusting the length. I don't have to carry extra stock which is really cost effective."*

With the hosting solution chosen, access data is stored securely at ASSA ABLOY, accessible anytime and from any location, ideal for managing large systems or multiple locations. The system is easy to expand anytime – future-proofing Hofbräuhaus access.

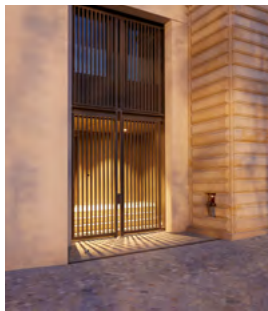# Humboldt Forum relies on a smart eCLIQ locking system from ASSA ABLOY

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Prestigious Humboldt Forum relies on eCLIQ

"The eCLIQ locking system provides state-of-the-art security and locking convenience."
Jannis Hlous, Project Manager at Weckbacher Sicherheitssysteme

The complex installation of the locking system in the Humboldt Forum took place step-by-step during ongoing construction activities.

Project: Humboldt Forum
Type: Museum
Location: Berlin, Germany
ASSA ABLOY partner: Weckbacher Sicherheitssysteme, Dortmund
Devices installed: 1,500 eCLIQ programmable keys and cylinders
Year of instalation: 2020

Challenge

On 12 June 2013, the foundation stone for the reconstruction of the Berlin Palace was laid – in the form of the Humboldt Forum. The structure was built with reconstructed baroque as well as modern façades in a historic location in the centre of Berlin.

Since December 2020, the Humboldt Forum has been gradually opening its doors to visitors as a museum, event and meeting centre, with spaces for exhibitions and the non-European collections of the Berlin State Museums. There will also be a Humboldt University science laboratory.

The challenge with this building is that the rooms are used differently at different times and are entered by many employees, service providers and, of course, by many visitors.

A solution was therefore required that not only offers a very high standard of security, but also features simple access authorisation management.

Solution

The Humboldt Forum Foundation, represented by the Federal Office for Building and Regional Planning, chose an intelligent and digital eCLIQ locking system from ASSA ABLOY and commissioned Weckbacher Sicherheitssysteme to plan, deliver and install this demanding project.

The uncomplicated and reliable solution is distinguished by robust, durable and secure components, as well as its compact form and striking design.

The keys and cylinders are compatible with the doors' stringent design-oriented requirements and installation situations and thus optimally integrate into the sophisticated building concept of the Berlin Palace, which has been known as one of the most important museums in the world even before its opening.

The decisive factor, however, was that the solution offers state-of-the-art control with total flexibility. Access authorisations can be changed quickly and easily with eCLIQ, for example, which is essential due to the constantly changing exhibitions.

Lost keys can also be deactivated immediately. Management is done via the CLIQ® Web Manager, an easy-to-scale and very user-friendly program.

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Klassik Stiftung Weimar protected with eCLIQ

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eCLIQ cylinders blend with historic or contemporary building designs

Project: Klassik Stiftung Weimar
Type: Museum/culture
Location: Weimar, Germany
Devices installed: approx. 2,100 eCLIQ Cylinders at 31 different properties
Year of installation: 2021

Challenge

The Klassik Stiftung Weimar is a unique ensemble of monuments. With more than 31 museums, castles, historic homes and parks – as well as collections of literature and art – it is one of Germany's largest and most important cultural institutions. Among them, 12 properties make the list of UNESCO World Heritage Sites.

When choosing a new locking system, managers had to take into account the geographical dispersion of sites to be protected: Various buildings are located throughout the city and in the surrounding area of Weimar. These premises need to be accessed by around 380 employees, as well as external people, at different times.

In addition to these stringent requirements, simple management of access authorizations was also important.

Solution

The Klassik Stiftung Weimar organization opted for an electronic eCLIQ programmable key system from ASSA ABLOY. The eCLIQ solution scores highly for its level of security and operational flexibility.

Each key may be programmed individually for every user. Access authorizations can be withdrawn for any key at any time – if it is lost, for example. Authorizations can also be temporarily enabled for external service providers such as tradespeople, contractors and cleaners.

As the Klassik Stiftung buildings are located far apart from each other, eCLIQ's battery-free and very low-maintenance cylinders are ideally suited for easier administration.

Keys and cylinders are also compatible with the high demands placed on design and the installation situation of many different types of door. They integrate optimally into the overall design of various sites' historic and modern architecture.

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eCLIQ digital access protects fans and employees at a major German stadium

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Keys programmable via Bluetooth technology simplify the management of contractors

"One of the reasons we chose eCLIQ Connect keys was to enable us to grant or revoke authorisations to external organisers and operators via Bluetooth in a rapid and user-friendly way."

Lukas Angenendt, VEFK & Project Manager Electrical Engineering, D.LIVE

Project: MERKUR SPIEL-ARENA
Segment: Entertainment & media
Location: Düsseldorf, Germany
Devices installed: eCLIQ system with approx. 2,500 wireless cylinders and 1,150 eCLIQ Connect programmable keys
Year of installation: 2024

Challenge

With a capacity of 66,500 spectators, the MERKUR SPIEL-ARENA is the largest multi-purpose venue in Düsseldorf and home to the city's main football team, Fortuna. Thanks to a lockable roof and state-of-the-art heating for an interior area of over 10,000m², this arena can be used for a wide range of events year-round, regardless of the weather.

Regular and constantly changing major events, both matches and concerts, present an ever-evolving security and access challenge. Stadium managers D.LIVE sought a secure, reliable replacement for their mechanical master key system.

Key criteria

· Flexible security which would no longer create the problems of lost mechanical keys
· Robust devices which did not protrude from doors and don't require costly battery changes in the cylinders
· A solution which could easily manage private spaces and make it easy to rent out rooms and other areas

Solution

Based on these requirements and their experience with other local venues, D.LIVE chose the eCLIQ programmable-key locking solution, part of a suite of Digital Access Solutions from ASSA ABLOY, which scores highly on security, reliability and convenience. With their chosen solution, every authorised keyholder carries their own eCLIQ key which can be programmed with tailored access authorisations. For added security, access rights can be individually revoked at any time and lost keys can be blocked.

Authorisations can also be temporarily enabled for contractors, cleaning staff and external event service providers, which streamlines site maintenance and management.

In addition to the digital security enhancements, eCLIQ's high degree of flexibility was another big plus: eCLIQ is easy to handle and program as, for example, the power supply and communication with each cylinder take place via the battery-powered key.

No wiring is required for the very low-maintenance cylinder which is fitted flush to the door and thus offers no attack surface for vandalism. Cable-free installation was also simpler and quicker: only two weeks, when no events were taking place in the stadium, were available for the conversion of all doors.

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Dukes Street
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GU21 5BH
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For the Museum of Applied Arts, eCLIQ is the ideal solution

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CLIQ®

Historic Vienna museum protects its collections with Access Control as a Service

CLIQ® WebManager

Administration Software

The CLIQ Web Manager offers tailored options for Access Control as a Service

Keys

Cylinders

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Project: MAK – Museum of Applied Arts
Type: Museum/heritage
Location: Vienna, Austria
Devices installed: eCLIQ master key system with approx 280 cylinders
Year of installation: 2019

Challenge

The Museum of Applied Arts (MAK) was founded by Kaiser Franz Joseph I as *"k. k. Österreichischen Museums für Kunst und Industrie"* (Austrian Museum of Art and Industry). Today, MAK addresses our future by confronting sociopolitical issues with perspectives and approaches from modern art, applied art, design and architecture and acting as a driving force for positive change.

Its main building was built in neo-Renaissance style on the Stubenring in Vienna, based on plans by Heinrich von Ferstel. Various doors in the historic building are fitted with an online EAC system, but only in a few areas due to the technical work involved and its associated costs.

An additional, easy to install access solution was required for other doors, which must meet the requirements of a modern museum complex.

Solution

The eCLIQ electronic locking system offers full flexibility with state-of-the-art management. This is why MAK chose the system. This uncomplicated and reliable solution is distinguished by robust, durable and secure components, as well as its compact form and striking design.

The deciding factor, however, was that access authorisations could be changed quickly and easily with eCLIQ, which was essential due to the museum's constantly changing exhibitions. Lost keys are simply deactivated. Choosing Software as a Service (SaaS) to run their eCLIQ locking takes back-end system management off MAK's hands. The SaaS solution supports comprehensive remote access control via the CLIQ Web Manager and, because server software is always up-to-date, SaaS subscribers benefit from enhanced cybersecurity. Data redundancy, high availability and round-the-clock support are part of ASSA ABLOY's Service Level Agreement.

The system was easy to install. Only the locking cylinders had to be replaced: no holes were drilled in historic doors and frames for routing cables.

Main Entrance & Wards

ZONE **5** ZONE **6** ZONE **7** ZONE **8** ZONE **9** ZONE **10**

Healthcare

eCLIQ for hospitals and care centers

Secure patients.
Optimise resources.

"The system made it far easier to see who is accessing rooms, proving essential to hospital security."

Colin McEwen, Design Lead – Estate Management, NHS Raigmore

In any medical facility, the need for high-end security and fast, simple access to areas people have permission for is paramount.

eCLIQ removes the hassle of key management for nurses, doctors and other healthcare professionals.

You can provide them with a single key that only opens locks to what they need, cutting out the time it takes to find the right key and improving patient care. Plus, if a key is lost, you can simply and quickly deactivate it avoiding the stress of unauthorized access and the need to replace the cylinder and key.

French hospital takes control of employee and contractor access with eCLIQ

ASSA ABLOY

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Hospital access is now tailored to defined user profiles

CLIQ®

"Hendaye's hospital has gained in security, comfort and flexibility. Employees hold only one key compared to 5 or 6 keys before." Yves Bourdon, Security Director, Marin Hospital of Hendaye

CLIQ® Web Manager

Software to manage access rights

Programmable battery-powered keys

Programmable cylinders

Project: Marin Hospital of Hendaye
Type: Healthcare
Location: Hendaye, France
Devices installed: eCLIQ programmable keys and >2000 cylinders (to date) and programming devices
Year of installation: 2016–2023

Challenge

Marin de Hendaye Hospital in the French Basque country faced common challenges posed by mechanical access control. With mechanical lock-and-key technology it was impossible for security managers to know who had been accessing treatment rooms, medicine stores and other sensitive areas.

Additionally, keys and passes remained in circulation beyond the keyholder's approved use – or former employees failed to return theirs. This was another source of insecurity.

The hospital needed a new access system.

Important requirements included:
· A flexible solution which could secure interior and exterior hospital doors and other openings
· The ability to trace staff and external contractor movements into and between sensitive areas
· A wireless solution which could offer easy installation without the expense of dedicated cabling
· More convenience and comfort for employees who previously had to carry large key bunches

Solution

The hospital chose an eCLIQ system based on programmable electronic keys and wireless cylinders. Since 2016, their security team has gradually rolled out eCLIQ electronic access control to all care and logistics buildings, including drug stores, labs and other sensitive or confidential areas.

"The choice of this solution is based on reliability and simplicity of implementation for a site that covers 11 hectares," explains Yves Bourdon, Security Director, Marin Hospital of Hendaye. *"It is the only solution that can equip more than 1,500 doors with quick and wireless installation."*

An eCLIQ solution gives managers control over important aspects of hospital security. They can issue access tailored to an individual's needs and level of authority – and amend it whenever required. External service providers use a programmable eCLIQ key which automatically expires after a pre-defined period. This is much more secure than relying on a contractor to return their mechanical key every time. Employees enjoy the convenience: Carrying a single eCLIQ key programmed with their own permissions makes bulky key bunches a distant memory.

The rollout is ongoing, with another 500 eCLIQ cylinders already ordered and ready to install.

Main Entrance & Wards

ZONE **5**

ZONE **6**

ZONE **7**

ZONE **8**

ZONE **9**

ZONE **10**

CLIQ®

Scottish hospital enjoys easier management and better security with connected eCLIQ locks

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eCLIQ reduces the risk associated with lost and stolen keys

Project: Raigmore Hospital
Type: Healthcare
Location: Inverness, Scotland
Devices installed: 42 eCLIQ programable keys and 82 cylinders
Year of installation: 2022

Challenge

NHS Raigmore Hospital provides a wide range of healthcare services – surgical, medical and clinical support. It is the only District General Hospital in the NHS Highlands Partnership, which runs over 200 sites across their area. With over 2,800 staff and more than 450 beds, Raigmore Hospital is always busy.

The sheer size of the hospital estate requires a large facilities management team. Access must be controlled and monitored to plant rooms, high- and low-voltage rooms, maintenance roof hatches and even a helipad where the air ambulance lands.

Every type of room and opening is accessed on a daily basis. Hospital managers sought a connected solution which could offer:

· a solution to the security risks caused by cases of lost and stolen keys, and time wasted on re-keying
· compliance with new government standards guidance which requires hospital building assets to be connected
· time-saving security functionality such as the ability to delete lost keys and monitor key use.

Solution

After easy, wire-free installation of eCLIQ cylinders, the hospital now enjoys the benefits of eCLIQ electronic access management. Authorized staff carry a single, programmable eCLIQ key which is loaded with their appropriate personal access permissions.

Facilities managers have a detailed overview of access from eCLIQ's Web Manager interface. The system logs the time and user whenever an eCLIQ key is used. If problems occur, it's easy to determine who last entered a room and quickly find out more.

The risk of unauthorized access is reduced. The eCLIQ software can validate and revoke keys anytime. Former employees who do not return a key have their access de-authorized, for example.

In addition, because staff don't need to first find the right key, eCLIQ has operational benefits during air emergencies. All authorized personnel use their own key to unlock the helipad, which can prove vital for urgent care.

"New legislation requiring connectivity of assets made our old security outdated," explains Colin McEwen. *"eCLIQ locks combined with the benefits that connectivity offers have proved a great asset."*

"Previously, when a key was lost or stolen, the only way to ensure security was to change our cylinders; eCLIQ has negated this, saving us money and time. We have set access to coincide with staff shift-patterns."

CLIQ®

An electronic eCLIQ locking system for University Hospital Frankfurt

ASSA ABLOY

Experience a safer
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eCLIQ makes it easy to switch to electronic locking

"Rapid-locking, modular cylinders which can be individually adapted in combination with very sturdy and user-friendly keys – eCLIQ thoroughly meets these requirements."
Michael Molz, Managing Director, HOST GmbH

Administration software | Wall programming device | Keys | Cylinders

Project: University Hospital Frankfurt
Type: Hospitals, clinics, health clinics
Location: Frankfurt
ASSA ABLOY partner: SUCKE e.K., Schöneberg
Devices installed: eCLIQ programmable keys and 1100 cylinders
Year of installation: 2014

Challenge

Medical care provision, research, and education of a higher magnitude: With its 32 clinics and 20 research institutes, University Hospital Frankfurt is the largest hospital in Hesse.

More than 4500 employees working in curative, care, laboratory, and technical areas treat more than 220,000 outpatient and roughly 50,000 in-patient per year.

Extensive new construction, expansion, and renovation in multi-phase construction stages have been in progress since 2001. HOST GmbH Hospital Service and Technology and its staff of 150 employees are responsible for all technologies in the University Hospital.

When it comes to security technology, HOST relies on the expertise of ASSA ABLOY. An CLIQ locking system has already provided several years of faultless operation.

Solution

Therefore, it was an obvious choice for HOST to install CLIQ in a recently completed new building. Thanks to the high level of modularity and simple operation, the decision was quickly made to install an eCLIQ locking system. It uses 1100 cylinders with an equal number of keys, and a specific web system.

There are also five wall-mounted programmers, four of which are provided with antivandalism protection. Meanwhile, facility management experts at HOST are so impressed with the new eCLIQ system that various buildings will be equipped with eCLIQ in the final construction stage of the large hospital project.

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GU21 5BH
United Kingdom

Industry & Utilities

eCLIQ for critical infrastructure

Track keys.
Streamline workflows.

*"The great flexibility of the system convinced us.
We are planning to also use eCLIQ in other areas
and further properties."*

Stefan Drack, CEO of K&F Drack

We understand you not only need high levels of security, but also flexibility. Especially with multiple contractors visiting your buildings and sites on a daily basis.

eCLIQ allows you to easily update access rights centrally, which cuts out the need for the workforce to continuously return keys to base. The hardened steel padlocks are also designed to work outdoors in the harshest conditions.

A growing network of EV charging stations is secured with eCLIQ cylinders

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eCLIQ's flexibility simplifies managing access for service technicians

CLIQ® WebManager

Project: Comfort Charge
Type: Infrastructure
Location: Germany
Devices installed: eCLIQ programmable keys and cylinders
Year of installation: 2019

Challenge

Comfort Charge is a Bonn-based Deutsche Telekom subsidiary which operates charging stations for electric vehicles throughout Germany. Parts of the existing telecommunications infrastructure are being upgraded to create the network for these public charging points.

Electric vehicles can be conveniently charged at these stations using charge cards supplied by partner e-mobility providers (EMPs) or with conventional cashless payment methods. Thanks to the highly innovative technology used, it takes a mere 10 minutes to charge vehicles with enough electricity to travel up to 100 km. The company thus offers one of the fastest urban charging options currently available in Germany.

A modern locking solution was needed for Comfort Charge's network of rapid-charge stations. The major requirements were that it should simplify key management and have the flexibility to adapt to a large, mobile user group of service technicians.

Solution

Comfort Charge GmbH opted for ASSA ABLOY CLIQ electronic smart key access control. This system, which has already proven its worth at parent company Deutsche Telekom, offers maximum flexibility with its programmable key system management.

For example, changes in any keyholder's access authorizations are easily and conveniently defined by assigning rights via the intuitive system software. Lost keys can be deactivated at short notice. Authorizations with time and lock restrictions are also possible. For instance, technicians can be issued a personalized authorization for a specific task or cleaners can be granted access only during specific timeframes.

In addition to a compact design, it was also important for the locking solution to have robust, long-lasting components to ensure safety at the charging stations. These are located in public places and are therefore also exposed to different environmental conditions. Cylinders in the CLIQ range are weather-resistant and have a lubricant reservoir that keeps them maintenance-free for up to 200,000 cycles; eCLIQ keys have a 10-year battery life (with typical use) and IP67-rated protection against water and dust. The CLIQ system is ideally adapted for outdoor use.

eCLIQ safeguards critical infrastructure in Upper Austria

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Easy installation and flexible security are hallmarks of the eCLIQ system

"The great flexibility of the system convinced us. We are planning to also use eCLIQ in other areas and further properties." Stefan Drack, CEO of K&F Drack

CLIQ® WebManager

Administration Software

Keys

Cylinders

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Project: K&F Drack
Type: Critical infrastructure / Electricity supply
Location: Almtal, Austria
Devices installed: eCLIQ electronic locking system across multiple sites with ca. 70 employees
Year of installation: 2018

Challenge

For over a century, K&F Drack (KFD) has been closely associated with the Almtal Valley in Upper Austria. Founded as a sawmill in 1899, this fourthgeneration family company is now the local expert for all things energy, electrotechnology, metal and wood.

With expansion of the power grid, KFD has also become an important electricity supplier to the region. They supply around 1,800 households, 100 agricultural and 300 commercial businesses as well as 12 industrial consumers.

Key requirements for KFD's new locking solution included:
· Reliable security for 9 hydroelectric plants plus an approx. 130km pipeline network with 45 transformer stations
· A focus on flexibility in installation and use, with a system which should involve as little maintenance as possible
· Technology which matches the company's ethos of cautious and respectful interaction with nature, people and the environment

Solution

With the eCLIQ locking system, KFD chose an ASSA ABLOY electronic security solution widely adopted at critical infrastructure sites across Europe – and which can be expanded, combined and retrofitted according to individual requirements.

Based on award-winning CLIQ access control technology, the eCLIQ locking system is built around precision-engineered wireless locks and high-end microelectronics. A battery inside each key powers the wide range of programmable cylinders and padlocks – and secures every data transfer.

Robust and durable, eCLIQ cylinders are available for doors, cabinets, lifts, alarm boxes, machines and entrance gates. Looking after eCLIQ components is easy: an integrated lubricant reservoir ensures cylinders remain maintenancefree for up to 200,000 cycles.

An eCLIQ system is easy to operate and programme for many reasons. For instance, administrators do not need to activate every locking cylinder individually in order to replace batteries. Power and communication with the cylinder are conducted via battery-powered keys and programming keys only.

CLIQ technology also enables a higher level of security and allows access authorisations to be granted flexibly. If a key gets lost, the locking authorisation is simply deleted from the system.

eCLIQ digital access secures a network of fibre optic cabinets across Germany

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Reliability in a challenging outdoor environment is a big eCLIQ advantage

"In addition to the flexibility, the resistance and durability of eCLIQ are particularly advantageous. That convinced us."

Markus Walther, Senior Manager Deployment Aggregation Network, OXG Glasfaser GmbH

Customer: OXG Glasfaser GmbH
Segment: Telecommunications
Location: Germany
Devices installed: eCLIQ system with approx. 2,500 wireless cylinders in the final expansion phase
Year of installation: 2024

Challenge

OXG Glasfaser GmbH is a joint venture founded in 2023 by Vodafone and Altice. Their goal is to make a significant contribution to the expansion of infrastructure throughout Germany. OXG builds and operates a high-speed fibre optic network designed to meet the digital needs of individuals and companies. In the next few years, they aim to connect 7 million households with fibre optic. An investment of up to €7 billion is being made for broadband solutions and innovative FTTH (Fibre to the Home) expansion.

They sought a modern access solution suited to securing the stations required for the expansion of their network.

Key criteria

· A locking system able to provide flexible security for dispersed fibre optic stations
· Robust digital locking which works reliably outdoors, exposed to wind and weather
· Easy installation for devices which also require as little maintenance as possible

Solution

With the programmable key-based eCLIQ solution, part of a suite of connected Digital Access Solutions from ASSA ABLOY, OXG chose security that can be expanded, combined and retrofitted according to their evolving needs. The system is reliable, robust and suitable for environments with demanding climate conditions.

The eCLIQ solution provides an efficient, effective way to fit digital access to almost every opening – doors, cabinets and more – in almost any location, inside or outside any type or size of building. Installers simply slot in one of more than 60 different eCLIQ cylinder or padlock types instead of a mechanical cylinder. These innovative cylinders operate maintenance-free for up to 200,000 cycles.

For system administrators, eCLIQ is easy to operate and program. For instance, they do not need to activate every locking cylinder individually in order to replace batteries. Lock power supply and communication with the cylinder are conducted via user keys and programming keys.

Award-winning CLIQ® technology upgrades security by making it simpler to issue individual access authorisations. If a key is lost, its access permissions are simply deleted from the system with a few clicks in the intuitive software.

Broad device range and flexible management make eCLIQ the ideal choice in Bavaria

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Extreme weather and climate conditions are no problem for eCLIQ

"Now we are going with the times and can conveniently enjoy a wide range of advantages. As a critical infrastructure company, we can also react very rapidly and flexibly to future requirements."

Manuel Emerich, Project Manager, ZMS

Customer: ZMS (Zweckerverband Müllverwertung Schwandorf)
Segment: Infrastructure
Location: Schwandorf, Germany
Devices installed: eCLIQ system with over 1,000 wireless cylinders and 20 wall programming devices
Year of installation: 2024

Challenge

In 1979, nine districts and five cities founded a joint association for the disposal of residual waste. They targeted future-oriented, environmentally friendly and economical fulfilment of local statutory disposal obligations. They also use the energy generated by the waste power plant as efficiently as possible.

Now, 17 association members are part of this community: the disposal area for ZMS covers around a fifth of Bavaria. The residual waste of almost two million citizens is disposed of through the Schwandorf waste power plant. In the past, a mechanical locking system was used on all ZMS properties. The association planned a digital upgrade.

Key criteria

· An access management solution to boost flexibility over existing mechanical locking
· An intuitive way to personalize access for staff and external service providers like fitters
· The ability to easily protect areas with different levels of security
· Devices and other equipment with high weather resistance, for deployment outdoors

Solution

The company chose eCLIQ, part of the suite of connected Digital Access Solutions from ASSA ABLOY. This innovative, programmable key-based solution now equips not only the power plant and administrative headquarters in Schwandorf, but also buildings across eastern Bavaria, including transfer stations, a waste disposal site, a sorting plant in Bodenwöhr, and a sludge drying plant, as well as all technical and commercial offices, gate control systems and local control points. Because eCLIQ offers a broad range of digital cylinders within its single ecosystem, it suits diverse and complex organizations like ZMS.

With eCLIQ, each wireless digital cylinder receives the necessary power from a battery inside the keyholder's personalized key. Standard eCLIQ keys have a battery life of 10 years with typical usage. The solution also offers the advantage that a depleted battery does not render a cylinder useless. The key is simply fitted with a spare battery, saving time and effort.

Another critical benefit at infrastructure sites, every eCLIQ device offers reliable protection against manipulation and intelligent break-in attempts. Keys are extremely robust, with a waterproof casing, and operate reliably in the most challenging environmental conditions.

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Dukes Street
Woking
GU21 5BH
United Kingdom
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seidensticker

Residential

eCLIQ for apartment buildings and communal areas

Improve efficiency.
Minimize maintenance.

"We are very satisfied with eCLIQ, as the system is very flexible."

Angelo C. Brecht, building owner

Today's multi-residential buildings must be open and welcoming for tenants and visitors. At the same time, they need to be protected from unauthorized access.

eCLIQ is easy to install and to operate, giving you control over who goes where, and when. Intuitive software makes it simple to issue contractors with time-limited access permissions.

Multi-residential housing in Wiesbaden secured with eCLIQ

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GWW issues different eCLIQ key types to match individual use cases

Customer: GWW – Wiesbadener Wohnbaugesellschaft mbH
Segment: Residential
Location: Wiesbaden, Germany
Devices installed: eCLIQ system with approx. 4,500 electronic cylinders and 58,000 programmable keys
Year of installation: 2023

Challenge

With housing stock of over 13,000 apartments and an ambitious new residential development programme, GWW has been helping to make Wiesbaden affordable for a broad range of population groups for over 70 years. Being the city's largest provider of housing also goes hand in hand with an aspiration to make a measurable contribution to living together in an urban environment. Social, voluntary and civic involvement is therefore an integral part of GWW's corporate culture and for its 200 employees.

To date, multiple projects have been initiated, supported and promoted, focusing on integration, participation and prevention, as well as various dimensions of sustainability.

Key criteria

· An easy-to-install, digital solution to meet the requirements of a modern residential builder
· A range of devices to protect entrances, communal and technical doors of all residential buildings
· A system which is easy to operate for all age groups
· Electronic locking cylinders which work wirelessly and without batteries

Solution

GWW chose ASSA ABLOY's eCLIQ electronic locking system, which offers modern management and full flexibility. The easy and reliable solution is characterized by a robust, compact build with durable and secure components. For users, it's familiar – working just like a traditional cylinder and key.

All eCLIQ cylinders are wireless and battery-free. Power is supplied by the battery in the key. Thus, doors with eCLIQ cylinders can always unlock without their own power supply.

Another major factor in GWW's choice was that access authorizations can be set and changed flexibly in the CLIQ Web Manager software. Lost keys can be deactivated immediately. Authorizations with time and room restrictions can also be defined, to grant cleaning staff access at specific times, for example.

GWW issues different eCLIQ keys depending on user requirements. For example, the eCLIQ Connect key enables access authorizations to be granted at short notice; the keyholder simply updates their key by making a Bluetooth connection between it and the Connect mobile app.

CLIQ

CLIQ® Go intelligent locking ensures only authorised residents enter these private London gardens

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The whole system is easy to manage with the CLIQ Go app

Access rights of the system are managed via the CLIQ Go app

Keys

Cylinders

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Woking
GU21 5BH
United Kingdom

Project: Leinster Square Gardens
Type: Public space
Location: London, UK
Devices installed: CLIQ Go System with 300 programmable eCLIQ keys and 5 cylinders
Year of installation: 2018

Challenge

For years residents of Leinster Square Gardens in London used traditional mechanical keys to access their communal garden. However, garden managers found handling traditional keys increasingly difficult: residents would lose keys or move on without returning them. It became hard to track who should (and should not) be using the gardens.

The Trust sought a new system with the following requirements:
· Trusted security for garden users at Leinster Square, with better access control and monitoring of keys and easy audit of cylinders
· A system with no need for power supply to the locks, because they are outside, and easy battery replacement for keys
· Hardy electronic locking cylinders sized the same as standard mechanical cylinders, to make the upgrade process easier

Solution

Leinster Square Gardens chose a CLIQ Go app-powered access system, with electronic eCLIQ cylinders plus electronic padlocks from the same range to secure tool storage areas.

The gardens are now locked with 5 weather-resistant and dust-proof cylinders. Around 300 authorised users have been issued with programmable, battery-powered keys.

Installation was straightforward. Existing locking hardware was simply removed to retrofit the new ASSA ABLOY system. The design of eCLIQ cylinders conceals their inbuilt technology, so nothing external draws vandals' attention. Management of a CLIQ Go system is easy, via an app for either Android or iOS mobile devices.

With eCLIQ's programmable keys, managers can fully control who can and cannot access the gardens. Lost or non-returned keys are quickly deleted from the system – removing one of the timeconsuming issues they were experiencing with mechanical keys.

Working with local security provider MLS, ASSA ABLOY provided training sessions to educate managers on how to draw an audit trail; add and remove keys; and generally administer their new security key system. CLIQ Go makes it all very easy.

eCLIQ locking secures a mixed-use historic building in Erfurt

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A wide variety of eCLIQ devices discreetly lock historic doors and furniture without damage

"We are very satisfied with eCLIQ, as the system is very flexible. In addition to the normal eCLIQ keys, we also use battery-free Spark keys, which generate their own power and are therefore extremely sustainable."
Angelo C. Brecht, building owner

Project: Residential and commercial buildings in Erfurt
Type: Mixed use (residential/commercial)
Location: Erfurt, Germany
Devices installed: 50 eCLIQ programmable keys, including the Spark battery-free key and 60 cylinders
Year of installation: 2021

Challenge

A project in Erfurt centered on two central historic residential and commercial buildings. These buildings have apartments on the upper floors with offices, shops and restaurants on lower floors. They were previously secured with a mechanical master key system.

The goal was to equip building entrances with electronic devices to enable central control. The new locking system should have the flexibility to enable secure control of all access rights and locking hierarchies according to individual authorizations.

Due to the historic character of the buildings, all cylinders had to be installed flush, with no structural changes and with as little work as possible on the doors. Care also had to be taken to ensure that the historic appearance was not impaired and doors were not damaged in any way.

Solution

The owner opted for an eCLIQ programmable key access management system for the two mixed-use buildings. This system was selected for its easy operation and key programming. With eCLIQ, access authorizations can be assigned flexibly.

An additional benefit for these historic buildings was easy installation: eCLIQ devices do not need to be wired. The power supply is provided by a standard battery inside the eCLIQ reversible key. This means that eCLIQ cylinders do not protrude: Modern security technology can be integrated discreetly into the building. A wide variety of available eCLIQ cylinders ensures there is a unified solution for all kinds of applications including doors and furniture.

The entire eCLIQ access management system is administered with CLIQ® Local Manager software. This user-friendly program is installed locally on a PC and is ideally suited to efficient building management.

eCLIQ brings the benefits of barrier-free digital access to everyone

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Cleaners, contractors and care staff all receive personalized flexible access

"With eCLIQ, we have found an optimal solution for all our tenants – families, young people and senior citizens – and the various service providers – such as contractors and house cleaners."

Uwe Klinger, Chairman, WBG ''Glück Auf Gera'' eG

Project: WeidenCarré
Segment: Residential
Location: Gera, Germany
Devices installed: eCLIQ system with approx. 70 wireless cylinders and 100 programmable keys
Year of installation: 2023

Challenge
The housing association WBG "Glück Auf" Gera eG has properties in almost every residential area of Gera – the portfolio comprises almost 4,000 apartments. With their newest WeidenCarré project, they implemented a sustainable living concept by combining homes for young people, families and senior citizens at a single, multi-generational location. Four residential buildings with 2- to 4-room apartments are accompanied on the 7,000 m² property by a park and spaces for cars. Two buildings also have barrier-free apartments for senior assisted-living, with separate access and staircase as well as a second lift.

A locking solution was required for the new project. Its aim: to be as convenient, flexible and secure as possible for all tenants, external service providers and administrators.

Key criteria
· Locking which is convenient, secure and easy to operate for all generations of residents
· A reliable solution which simplifies the daily management of access for cleaners and other on-site service providers

Solution
WBG "Glück Auf" Gera chose eCLIQ, part of a suite of connected Digital Access Solutions from ASSA ABLOY, for all four new buildings at WeidenCarré. This reliable programmable-key digital access solution now secures the building entrances, apartment doors, and doors to the garden, technical rooms and other building areas. An eCLIQ device can equip almost any door thanks to the modular set-up of the locking cylinders and the availability of more than 60 different cylinder types, for doors and many other openings including cabinets, gates, machines and more.

In addition to block tenants, facility managers, energy suppliers and technicians from external companies carry their own individual key conveniently programmed with the necessary authorisations. Daycare staff for the assisted-living homes also receive temporary access via their eCLIQ keys, only as required.

The entire system is managed from anywhere with secure internet access via CLIQ Web Manager admin software. It is straightforward for site managers to assign locking authorisations or block lost keys with just a few clicks.

And CLIQ Web Manager is easily scalable: the housing association can extend their locking system to more buildings when necessary.

WOBAK relies on eCLIQ to secure residential and office buildings

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Lost keys are handled much more efficiently with an eCLIQ system

Project: WOBAK Konstanz
Type: Residential/Office
Location: Konstanz/Constance, Germany
Devices installed: eCLIQ wireless access management system with 350 cylinders & 840 keys; CLIQ® Web Manager
Year of installation: 2020

Challenge

WOBAK (Städtische Wohnungsbaugesellschaft GmbH Konstanz) has been active in the Constance residential building sector for over 90 years. It aims to provide people in different situations with suitable living space in this attractive lakeside city. To achieve its goal, WOBAK itself is involved in the construction of new buildings and modernizing existing ones.

Securing its properties – residential buildings, connecting accommodation and its own administrative offices – is a top priority for WOBAK. With the large number of properties, this housing company regularly experiences problems with lost keys. In addition, service providers such as tradespeople and cleaning staff regularly require efficient access to their buildings. WOBAK need a locking system which combines a high level of security with this great flexibility.

Solution

The WOBAK service centre and workshop, as well as three new buildings – two apartment buildings and one for refugee accommodation – were equipped with eCLIQ wireless electronic access management. This programmable key system from ASSA ABLOY can be managed via an easily scalable and flexible cloud-based platform: the CLIQ Web Manager (CWM).

This user-friendly software enables the locking system management application to be launched from anywhere via the Internet. Responsible employees can manage access at any time and from any location. Lost or stolen keys are quickly deactivated and tradespeople may be granted access authorizations without great effort. CWM is therefore ideal for managing locking systems which are distributed over several locations – as is the case for WOBAK.