

Make your access ready for what's ahead With Digital Access Solutions from ASSA ABLOY

ME Version – November 2024

ASSA ABLOY

Opening Solutions

Experience a safer and more open world



Make your access ready for what's ahead

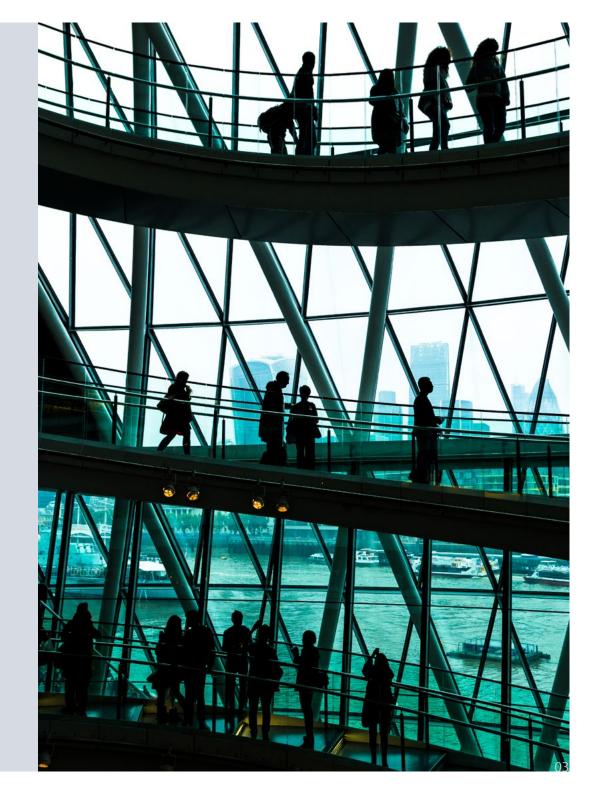
We help you digitalize and future-proof your buildings, meeting your individual needs and supporting your move from the mechanical to the digital world. With us, you digitalize with confidence.

We are experts in access and provide you with:

Sustainability Convenience Security Reliability Innovation

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Truly global, uniquely local

Founded in 1994, ASSA ABLOY works for people's safety and security, operating globally whilst also being experts in local standards. ASSA ABLOY offers iconic products and solutions with a primary focus on is commercial openings, access control and entrance automation.

Work with the best



AWards won in recent years:

Intersec Sustainability Champion 2024

Plus X 2023

BYGGERI Energipris 2022

Fire & Security Matters Security Project 2022

Les trophées de l'innovation Expoprotection 2021

GIT Security 2019

Red Dot 2019

Protector 2018

Intersec 2018

APS 2017

ASSA ABLOY







ASSA ABLOY



Brands you can trust

Trust comes with heritage. Your security deserves an expert partner you can rely on without compromises. Our well-known brands have become leaders in their field by shaping access and security standards and helping you to move through a safer, more open world with ease. The combined strengths of our brands and technologies is your advantage. For example, by utilizing trusted HID technologies for mobile access and readers in our access solutions, we help you to take advantage of future-proofed possibilities and digitalize your access with confidence.

What's trending?

What to expect from us



Efficient property management

Efficiency in building management is always a high priority for security managers and directors. Time-poor staff need simpler, more effective solutions.



By switching from mechanical key management to digital access solutions you can save time and money. No more lost keys, greater control and efficient workflows.



Access management anytime from anywhere

Cloud-based access management offers quicker installation, automatic software updates, flexibility and mobility, managed services and improved cybersecurity.



You have flexibility to manage digital access solutions to meet your needs, with on-site and/ or remote control, via locally installed or cloud hosting and software services.



Mobile access and user convenience

Mobile technology is impacting how we interact with buildings and manage their security. Users want a seamless experience when moving through your building.



Let users unlock doors and other openings digitally, with a device they already carry. The same device puts facility managers in control securely, for multiple sites if required. Businesses benefit with time saved and management costs reduced.



Data analytics and smarter buildings

The adoption of new technologies in commercial buildings is growing fast. In a smart building or city — just like the human brain — intelligence needs interconnectivity.



Our diverse software solutions and access data can help make use of your building in a smarter and more efficient way.

Innovation is the core of what we do

It's why we are not just leading the access control curve; we help define it



Connectivity

Integration of building systems is critical: 90% of security procurement experts say interoperability has become more important in the last five years*.



We help you to shift from operating in siloes, towards more functional, connected and efficient access management.



Hybrid working and smarter space usage

Traditional ways of doing things cannot meet staff demands for smart, seamless experiences. Organizations need integrated, connected and secure solutions for modern work challenges and office usage.



Digital access solutions allow flexible management and the issuing of access rights, enabling seamless collaboration benefits of hybrid work. In addition, intuitive and user-friendly booking systems rely on digital access devices and can simplify your workspace management.



Wireless access control

Traditional wired access solutions are difficult to maintain due to electric cabling. Access control is shifting towards wireless technology, with approximately 40% of organizations adopting wireless locking systems.*



Our wireless access solutions offer efficient installation and enhanced building security flexibility. We provide wireless devices, powered by either batteries or energy harvesting, that are simple to install without disruption.



Greener buildings and sustainability

Sustainability makes both economic and ethical sense. The World Green Building Council highlights energy efficiency as a crucial aspect of "green buildings," with all building technologies aiding in footprint reduction.



Digital access solutions can help save energy through energy harvesting tech or batteries, eliminating the need for energy-intensive cables. Storing and using digital keys on a mobile phone reduces the materials required for physical credentials.

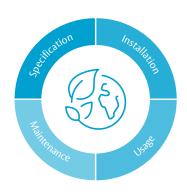
Enabling you to create greener buildings

Our digital access control solutions help achieve your energy-saving and sustainability goals, making buildings greener.

With features like energy-harvesting keys, low-energy wireless access, and mobile device credentials, we reduce environmental impact.







Green certifications

At the earliest specification stage, you can positively influence your building's energy balance by considering access solutions which contribute to green building certifications or have relevant Environmental Product Declarations (EPDs). We believe in our mission as a member of the World Green Building Council European network.

Simpler, faster and fewer materials

Retrofit existing buildings – or implement digital access control for the first time – without wiring or drilling around the door, and so using less materials. Fast fitting means fewer installer journeys.



Our access innovations can boost your sustainability performance and energy efficiency

Every business feels and understands the pressure to reduce their energy consumption and costs. According to the IEA, buildings consume around 30% of global energy.*

*www.iea.org/reports/buildings

its own energy We have decades of experience in developing and manufacturing customer-specific, motionbased energy harvesting systems which enable selfpowered, more sustainable

products.

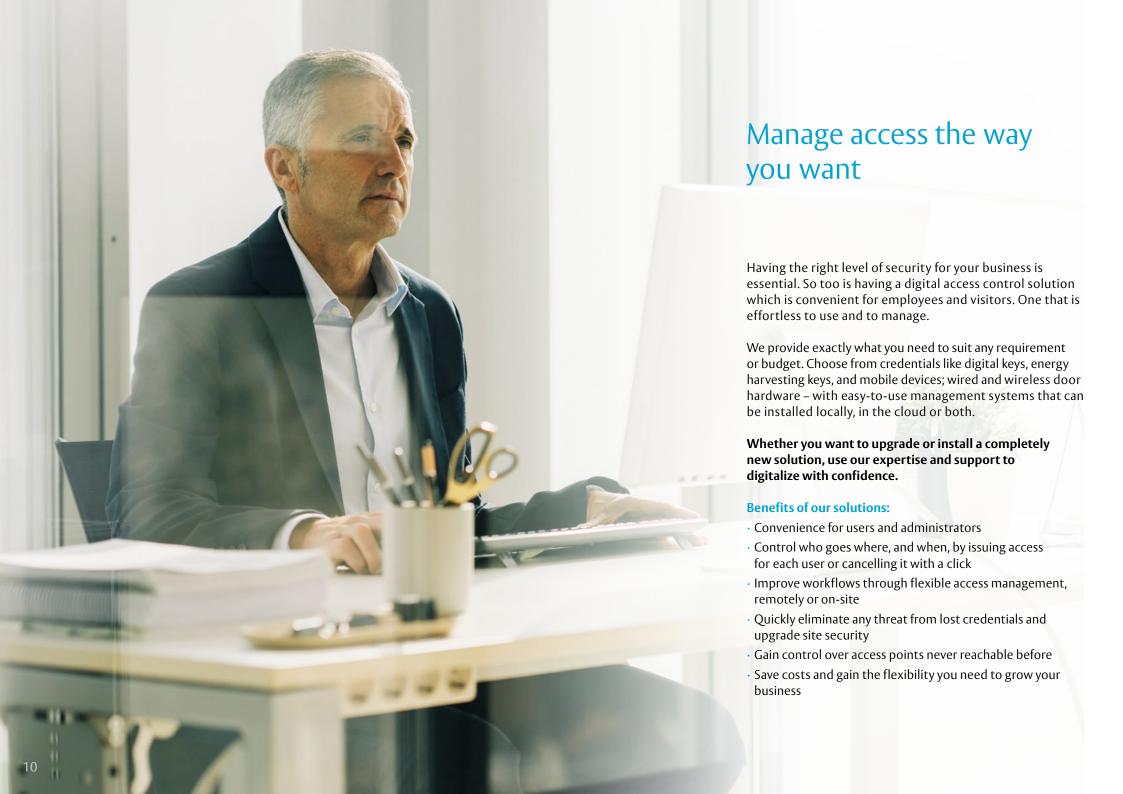
This smart key generates

Low maintenance efforts

Leverage access solutions that are designed to minimize ongoing maintenance needs. Devices and keys powered by standard batteries are optimized for long battery life. Wirefree operation also means simpler maintenance checks, with no need for an electrical specialist.

Low or zero energy consumption

You can save energy by choosing battery-powered locks which only consume power when a credential is presented, or locks which create their own energy when in use. Smart credentials like mobile or BLE keys reduce physical handovers and boost convenience.



Secure almost any kind of facility or asset

Count on our knowledge of regional door and security standards.











Regardless of your size, sector or building type, we will help you choose from our vast range of digital access solutions to give you the security, flexibility and simplicity you seek.

We help you keep all people and assets safe. With us, you can secure multiple access points, including entrance doors, interior doors, cabinets, machinery, elevators, fire service safes, server racks, gates, fences, remote stations, and more.

What's on your mind?



Empowering you to work smarter and save time

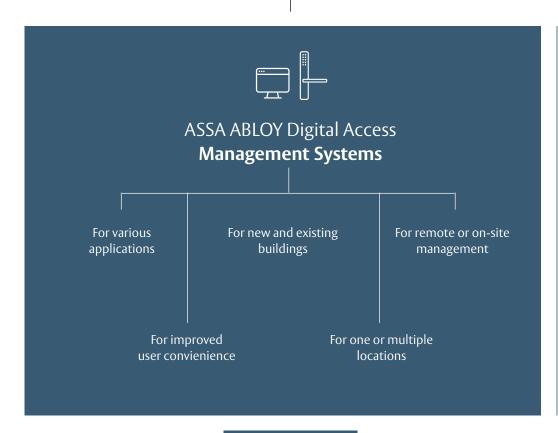
In a user-centric world, our digital solutions save time and money. Easy device installation and user-friendly software simplify your daily tasks, helping you do more with less.

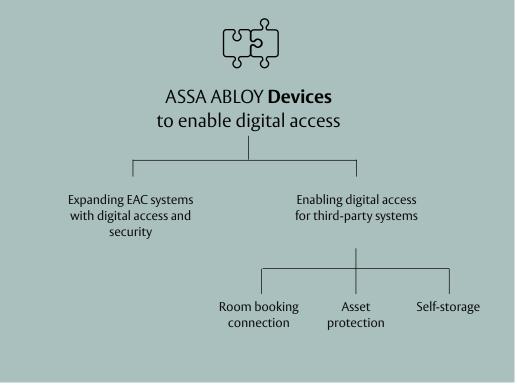
Choose mobile or cloud options for even greater efficiency and flexibility, while cutting operational costs.

Two ways to make your access ready for what's ahead



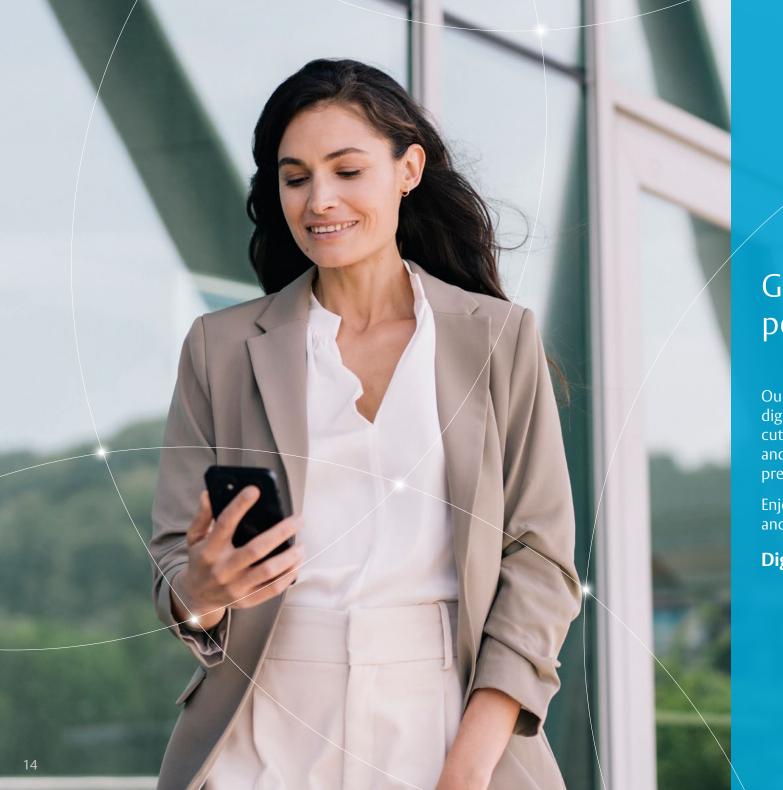
ASSA ABLOY Digital Access Solutions





Find out more from page 15

Find out more from page 24



Giving you peace of mind

Our security heritage underpins our advanced digital access solutions. These solutions offer cutting-edge cybersecurity for your buildings and management systems, while giving you precise control over access.

Enjoy peace of mind as you define who, when, and where access is granted.

ASSA ABLOY Digital Access Management Systems

Choose from a wide range of systems to meet your specific needs

CLIO®

Straightforward key-based system which transforms mechanical to high-security digital access management



Credentials



Smart keys

Access devices



More than 60 types of cylinder and padlock

Learn more on page 16

Incedo™

Digital platform ecosystem for securing and managing the widest possible range of access points



Credentials



Smart cards, Smart phone, PIN code, Key fobs

Access devices



Locks, escutcheons, cylinders, handles and readers

Learn more on page 18

SMARTair®

A modern out-the-box digital access solution which maximizes flexibility and ease of use



Credentials



Smart cards, Smart phone, PIN code, Key fobs, Bracelets

Access devices



Locks, escutcheons, cylinders, padlocks and readers

Learn more on page 20

TESA Hotel

State-of-the-art digital access which elevates the guest experience in any hospitality setting



Credentials



Smart cards, Smart phone, PIN code, Key fobs, Bracelets

Access devices



Locks, escutcheons, cylinders and readers

Learn more on page 21

ASSA ABLOY Access®

Smart, scalable digital access management system that unifies key, tag, and mobile access on a single cloud platform



Credentials



Smart keys, Smart cards, Smart phone, PIN code, Key fobs

Access devices



Cylinders, padlocks and readers, key desposits, swing handles, controllers

Learn more on page <?>

CLIQ

Straightforward key-based system which transforms mechanical to high-security digital access management

The system combines patented, high-end mechanical and electronic protection. It is based on programmable smart keys that work with a range of wireless cylinders, combined with powerful, user-friendly admin software. This established technology is already proven in many markets.

- Flexible access management built around users, workflows and spaces
- Quick installation replace mechanical key cylinders with a single screw change, without drilling or wiring
- · Individual access rights with time schedules and audit trails to see who went where and when
- Lost keys are easy to revoke, saving you time and money on changing cylinders
- Wide range of cylinders allow digitally controlled access points beyond doors and in the field
- The key has self-contained power with a standard battery lasting up to 10 years, reducing door maintenance (depending on version and application)
- Future-proof, energy-efficient chip with AES encryption and fast processing
- Integrations available with systems including Genetec,
 C•CURE, and Traka, helping you to work smarter

Two versions of CLIQ



eCLIQ: Fully electronic version One mechanical key profile plus electronic coding



PROTEC² CLIQ: Electromechanical version Multiple mechanical key profiles available plus electronic coding























Humboldt Forum, Berlin, Germany
Historic doors with
modern security

The electronic eCLIQ system upholds rigorous security standards and provides not only flexible access management but also comprehensive control tailored to the Forum's diverse user and visitor groups. "The eCLIQ locking system provides state-of-the-art security and locking convenience." Jannis Hlous, Project Manager at Weckbacher Sicherheitssysteme

Queen Elizabeth Hospital, Birmingham, UK Increased security of controlled drugs and medicines

The PROTEC² CLIQ system offers remote key management and detailed audit trails, making it a perfect retrofit solution for doors, cabinets, and mobile drug trolleys.

"The message from all nursing staff is that patients are getting medicines much easier and in a more timely fashion." Inderjit Singh, Chief Pharmacist

Simplified management of remote sites and workers

PROTEC² CLIQ, with its weatherproof locks and padlocks, is the ideal retrofit solution for sites where accessing mains electricity is challenging or not possible.

"All the energy is in the key. There is no power supply to the lock, and therefore very little maintenance." Christophe Nublat, Head of Study & Works Division

Rheinfellsquellen, Duisburg, Germany
One solution for
manufacturing, offices,
and outdoors

Fully electronic eCLIQ is ideal for large or dispersed companies, thanks to its cloud-based management.

"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.

Incedo

Digital platform ecosystem for securing and managing the widest possible range of access points

This system enables you to manage access over multiple sites from one location. You grant access to your facility by smartphone, smartcard, or biometric recognition, providing enhanced flexibility for entry.

Alongside versatile credential options, access a broad selection of compatible wired and wireless access hardware, all effortlessly managed through user-friendly software. Seamlessly adapting to evolving needs, Incedo is scalable and flexible, enabling easy expansion and selection of hardware and credentials as your business grows.

- Flexible access management built around users, workflows and spaces
- Diverse credentials, including smartphones, smartcards and biometrics boost flexibility and user convenience
- A broad range of compatible wired, wireless and biometric access hardware enhances security and allows for customized solutions or additional Incedocompatible devices as needs expand
- · Individual access rights with time schedules and audit trails to see who went where and when
- The platform's design facilitates third-party integrations through API, enabling Incedo to connect access control, door operations, and other functions like alarms, surveillance, or room bookings.

This integration streamlines processes, saving time and reducing administrative errors, allowing security teams to manage all systems under one umbrella with Incedo











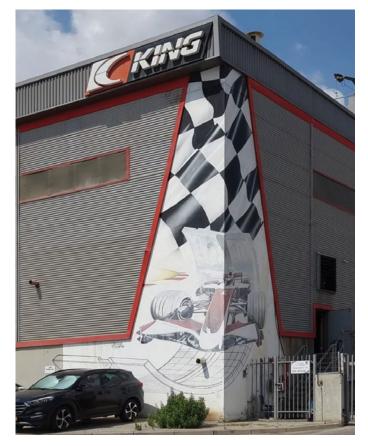


















King Engine Bearings, Israel

Flexible access management for multi-use premises

King Engine Bearings is a market leader in the engineering and supply of specialist engine components.

To control and manage access to offices, the warehouse and a packaging facility, they needed an integrated solution with flexibility and a comprehensive device range to match.

"Incedo gave us a perfect and fast solution for access control." Koby Ben Hamu, King Engine Bearings

Resstende, Lombardy, Italy

Scalable access hardware for evolving businesses

Resstende, a sun protection manufacturer specializing in roller-shutter systems, needed a modern access control solution for their 6,000 sq.m headquarters, which includes workspaces, training rooms, showrooms, hospitality areas, and collaborative zones.

"Incedo is convenient to use and streamlines access management, which saves us time and costs." Riccardo Gasparini, Managing Director, Resstende

Makita, Banská Bystrica, Slovakia

One solution for various security challenges and door types

Makita, a global leader in cordless, electric, and garden tools, recently opened new headquarters. The facility prioritized simplicity and clarity for security managers and daily users, leading to the implementation of an Incedo access control system. It now manages access to fire/escape doors, entrances, and interior doors.

"The diversity of access control devices available for an Incedo system was a decisive factor." Richard Cimerman, Makita Building, Slovakia

SMARTair

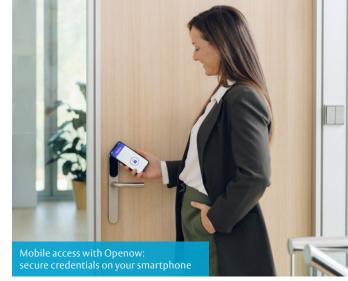
A modern out-the-box digital access solution which maximizes flexibility and ease of use

This system enables flexible access management by offering management with a solution which is easy to install and simple to manage. Customizable to meet specific needs, SMARTair can secure various access points, enable remote management, or offer enhanced convenience with mobile keys. All this without compromising your budget.

- Flexible access management built around users, workflows and spaces
- · Assign user-specific access rights for enhanced building control
- Get real-time audit trails to track movements and investigate incidents as needed
- Enhanced security with an optional lockdown feature for critical incidents
- Quick, easy wireless device installation without the need for drilling and minimal or no cabling around the door
- Site management can be conducted remotely, anytime, from any device, removing the necessity for constant on-site presence
- · Battery-powered devices for all type of openings (offices, lifts, car parks, gates and more)
- Credentials in many formats and compatible with multiple RFID technologies as well as BLE

















Hotel Flint in Dornbirn, Austria, blends contemporary and traditional hospitality, offering a 21st-century guest experience



Becorp, Barcelona, Spain

Build-to-rent housing relies on mobile access

With over 1,000 homes in their new build-to-rent development, Becorp recognized the limitations of mechanical security. The SMARTair system empowers security staff to monitor access points in real time, remotely open doors, and initiate lockdowns in emergencies. Residents utilize secure mobile keys via the Openow smartphone app, eliminating the need for physical keys.

"Physical key management for any large development puts severe pressure on operational costs. Choosing SMARTair wireless locks and mobile management via Openow helps us to minimize them."

Xavier Casals, Project Engineer

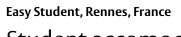


Vejle Friskole, Vejle, Denmark

Saving both time and effort

The school used to spend around 5 hours a week managing keys, which was a significant burden. They opted for an advanced access control solution to relieve site managers of this manual workload. Now, approximately 250 individuals, including students, teachers, and parents, each carry their own key fob programmed with personalized access permissions, reducing weekly key management to just 5 minutes.

"It's incredibly easy to figure out... it takes 1 minute to code a student." Henrik Kækel, Technical Service Officer



Student accomodation run "like a hotel"

Easy Student, a student accommodation provider with 8 locations in France, opted for key-free locking at their new residence. Their goal was to provide a student-friendly, efficient, hotel-like experience while eliminating the hassle of physical key management. They chose SMARTair, enabling remote permission changes and flexible, secure access for students.

"The solution corresponds perfectly to our needs. SMARTair does not require any technical knowledge and students like the credentials in keychain format."

Cyril Verger, Managing Director

TESA Hotel

State-of-the-art digital access which elevates the guest experience in any hospitality setting

Today's travelers seek a seamless mobile experience in accommodations. Small hotels often struggle with 24/7 check-in and streamlined access, which can be costly and challenging. Our solutions allow guests to use a mobile app or a personalized PIN for easy, secure access to rooms and communal areas.



ASSA ABLOY Access

Smart, scalable digital access management system that unifies key, tag, and mobile access on a single cloud platform

This system is ideal for multi-family housing organizations, small and medium-sized businesses, and municipalities transitioning from conventional keys to secure digital access management. It provides robust security, simplicity in operation, and scalability, along with comprehensive monitoring and reporting capabilities in a cloud-based platform. It leverages programmable energy-harvesting keys to enhance the building's sustainability performance and offers users a familiar yet smarter credential. Additionally, a user's smartphone can be loaded with a secure mobile key, or they can use convenient tags, or PIN codes.

- · Central platform for managing access and security in medium to large multi-residential housing complexes
- · User-friendly software for easy management of access rights, lock monitoring, and report generation
- Enables real-time control and monitoring of online access points, allowing administrators to instantly modify access rights, track usage, and swiftly respond to security breaches
- · Scalability ensures efficient management from a few doors to thousands, evolving with the organization's needs
- · Growing range of credentials and access devices such as locking cylinders, padlocks, readers, controllers, ensuring high-level security and reliability











A Place To. Denmark

Energy-harvesting digital access for sustainable living

Esbjerg's new 'A Place To' housing complex focuses on sustainability and maintaining a green profile throughout the lifecycle of a building.

"It was a big plus with PULSE that keys and locks are battery and cable free." Peter Høpfner, COO and Founder, A Place To





Providing you reassurance through our experience

From our very first lock and key to today's digital age, we've safeguarded access and earned the trust of countless businesses.

Our enduring commitment to exceptional service, backed by years of experience, provides assurance, as we help customers transition to the digital era.



ASSA ABLOY devices to enable digital access

We do more than just provide an extensive range of digital access systems; we also have several connectable hardware devices which work in parallel and are integratable with ASSA ABLOY and third-party solutions.

Our wireless and wired devices offer a fast, simple and cost-effective way to upgrade your control. You can quickly increase the level of your security while saving on installation, operation and maintenance.

Additionally, we facilitate digital access through a variety of third-party applications.



ABLOY CUMULUS

Cloud platform with easy integration of digital access devices and mobile access

ABLOY CUMULUS offers digital keyless access for a variety of applications through high-quality ABLOY hardware connected to a cloud platform. APIs and SDKs empower service providers, developers, and partners to expand your platform's reach with broader, innovative services. It's perfect for logistics, parcel deliveries, cash-intransit, rentals, offices, construction, and many more applications. The hardware is manageable via any software or through the ASSA ABLOY Access user interface.

- Advanced technology enables the efficient and secure distribution of access rights as needed
- The range offers a spectrum of keyless access solutions including mobile keys, padlocks, controllers, key deposits, as well as forthcoming swing handles and door locks. These locking devices are versatile, functioning everywhere, with or without network coverage
- Integration capabilities extend to third-party systems for bookings, reporting, resource management, and access control











Jakkuvärkki Dog Forest, Finland Keyless access

An automated booking and access management systems allow use of the dog forest 24/7: thanks to the integration of keyless ABLOY CUMULUS locking and the Asio-Data booking system, no physical keys or access cards are needed.

"The use of the dog forest is easy 24/7 with a book-pay-open model: when the user has booked a time on our website, they receive a virtual key in the ABLOY CUMULUS mobile app, with which they can open the CUMULUS padlock at the main gate during the reserved time." Katri Laaja, the owner of the dog forest.

Aperio wireless locks

Flexible access management built around people, workflows and spaces

Aperio's DNA is built on integration and the extension of access control capabilities without wiring. Formerly mechanical secured doors can now be integrated into any access system and operated with the same credentials.

Aperio-equipped access points are managed from the interface of your system software. Over 130 access control manufacturers globally have integrated battery-powered Aperio locks to work seamlessly with their system, so updating yours shouldn't be a problem.



A wide range of electronic devices

For doors, cabinets and server racks, to give you the flexibility to add access control to almost every opening, in any environment.

Add more doors to your access control system: with electronic cylinders, escutcheons, locks and handles in different door profiles (EURO, SCAN, FIN, SWISS) for exterior and interior doors. Equip cabinets, drawers and server racks with dedicated wireless locking devices and control access via your existing system interface.







University of St Andrews, Scotland

Award-winning track record in energy efficiency

Driven by sustainability principles, the University of St Andrews installed Aperio battery-powered electronic escutcheons in student accommodation, equipping over 1,600 doors with cabling-free electronic access control. Aperio devices seamlessly integrate with the central system and student ID cards, allowing real-time access monitoring and control across multiple buildings from a single point.

Helsinki Airport, Finland

A major upgrade to cabinet security

Helsinki Airport has installed 850 Aperio locking devices, including cabinet locks and escutcheons, to enhance passenger safety and align with EU guidance.

"Before Aperio KL100 lock, cabinets were managed with mechanical keys, with no specific control over who has the key and who had opened the cabinet" Kari Mäkinen, Senior Access Control Specialist

ABLOY Electric Locks

Trusted for a reason



The world's most famous landmarks, and sites which require the highest security grades, trust ABLOY Electric Locks for a reason. For decades, ABLOY has led the industry by example and set the standard for safe, functional, sustainable and aesthetic electric locking – made in Finland.

ABLOY Electric Locks take safety and security to the next level. These locks integrate seamlessly with access control, alarms, and other systems, providing a complete security solution. Tested, certified and awarded beyond industry standards ensures our locks are secured against manipulation and work reliably, even in harsh environments. Using energy only when in use, an ABLOY Electric Lock is the most durable and sustainable part of your locking system.

ABLOY Electric Locks – trusted for a reason.





A wide range of premium electric locks

Euro profile (DIN), Scandinavian and ANSI range

Lock types:

- Profile and solid doors
- · Single and multipoint locks

Functions:

- · Handle control open by handle
- · Push/pull open by pushing or pulling

effeff Electric Strikes

Trust the original



Electric Strikes enable you to unlock a door with almost any access control system: effeff developed this technology and is the established market leader in this specialist field.

After launching production in 1947, a comprehensive product program was developed step by step, which today offers tailor-made system solutions for almost any door, down to its last detail. For many customer requirements, we have long developed custom solutions in our own test lab.

effeff Electric Strikes provide a high level of safety and comfort in the electrical locking of doors.

The extensive product range meets all requirements to ensure the right strike body and strike plate fit your profile in every installation situation.

From one model with mechanical unlocking to a bipolar protective diode for access control systems, we meet any requirement.





Available for special requirements such as:

- Supplementary locking, ATEX areas, swing doors, full-glass doors or in combination with deadlocks
- · Suitable for use on electronically controlled escape doors
- Comprehensive range of strike plates
- · Fire and smoke protection doors



Helping you stay ahead

Digital access empowers your smart building with advanced features and seamless connectivity.

Our customizable suite of solutions eliminates siloed operations, enabling a connected and efficient approach to security, safety, and workflows.

Finally, Yet Importantly

Code Handle PIN lock

Share your space, not your belongings: 4 digits keep your private or sensitive stuff safe

Code Handle PIN locks are a simple "stand-alone" solution for private rooms in internal public areas. They keep a room secure, while allowing authorized employees to quickly and easily access it by entering an electronic PIN code on the handle's keypad.

They can be fitted to existing doors: you keep the cylinder or lock and simply swap the handle for one of our battery-powered, PIN code handles.









Everybody benefits from digital access

Building access management impacts multiple stages and stakeholders



For architects and specifiers, integrating modern design aesthetics and green building practices is a key concern from the design phase.



Business owners, security staff, and facility managers have extensive portfolio to select the optimal digital access solution that meets individual requirements, ensuring low energy consumption and minimal maintenance, plus optional services when needed.



Users benefit from the convenience and safety provided by our digital access solutions every day, enhancing their experience in the building from installation through to daily use.



OEMs, system integrators, and installers gain from our top-tier technologies for new installations or digital access upgrades, unparalleled standards expertise, and the broadest selection of wireless access hardware.



Make your access ready for what's ahead

Connect with one of our access experts who will help you to:

- · Move successfully from the mechanical to the digital world
- · Increase your security levels and improve workflows
- · Reduce costs and save energy

The ASSA ABLOY Group is the global leader in access solutions. Every day, we help billions of people experience a more open world.

ASSA ABLOY Opening Solutions leads the development within door openings and products for access solutions in homes, businesses and institutions. Our offering includes doors, door and window hardware, locks, access control and service.



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