



SECURED BY
ABLOY

FOR TRUST IN SMART BUILDINGS

Security and Access Solutions for Smart Buildings

ABLOY



For Trust in Smart Buildings

ABLOY digital, electronic, and mechanical future-proof solutions provide a high level of security, control, and efficiency for all aspects of smart buildings, from main entrances to shared spaces, from commercial facilities to offices and from emergency exits to residential areas.

Focused on your success: driving efficiency, safety, and sustainability in smart buildings

Smart buildings are at the forefront of modern architecture and urban planning, integrating technological advancements and building automation. They utilize artificial intelligence optimization to create environments that adapt in real-time to the needs of their users. These advanced buildings optimize energy consumption, enhance user experiences, and ensure security while promoting sustainability.

At Abloy, we create customized solutions that evolve with your building's needs, ensuring seamless functionality for diverse user groups across residential, commercial, and critical applications. Our comprehensive range of products combines over 115 years of expertise with modern innovation to meet the needs of multiple stakeholders and complex infrastructures.

By integrating advanced technology, security, and sustainability, we deliver solutions for smart buildings that enhance operations, provide peace of mind, and anticipate the needs of tomorrow — shaping a better future for people and the planet.

Flexible access management

Smart buildings demand dynamic and adaptable access control systems to cater to multiple user groups and usage scenarios, supporting cost efficiency and flexible usage for shared spaces with varying security needs. ABLOY Security and Access Solutions provide a range of features including:



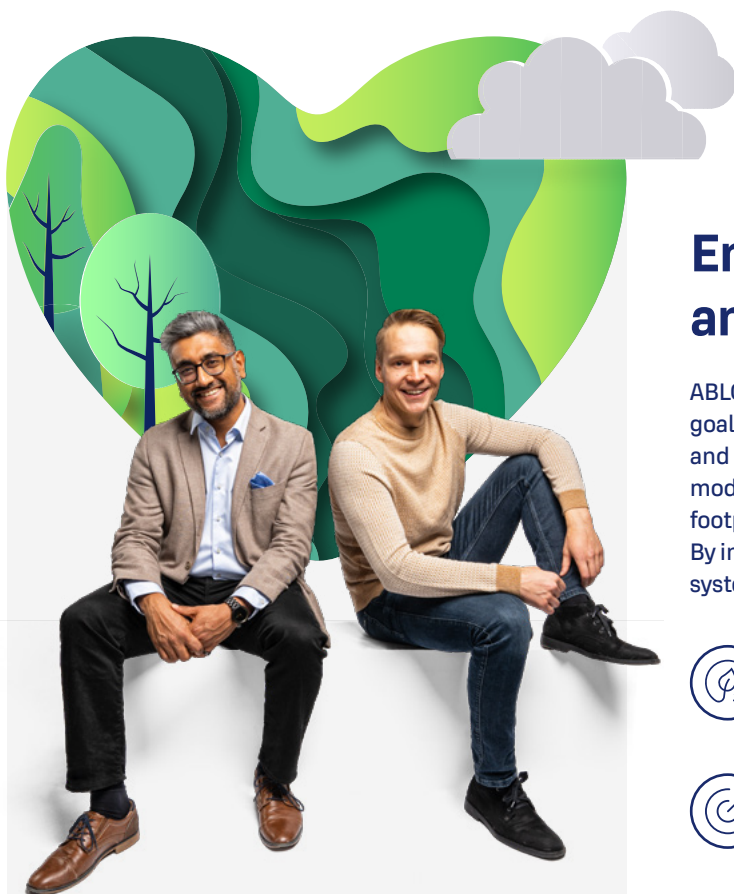
Keyless and mobile access: Seamlessly integrate keyless entry and mobile solutions to enhance user convenience



Customizable access rights: Define access based on user roles, schedules, and tasks, ensuring secure and efficient operations



Audit trails and analytics: Gather data on access patterns to enhance security, optimize resources, and improve user experiences



Read more about our sustainability journey

Energy efficiency and sustainability

ABLOY solutions are designed to advance the environmental goals of smart buildings by, for example, reducing cabling and utilizing retrofit-friendly designs. These innovations modernize existing structures, can reduce building's carbon footprint, and help meet green building certifications. By integrating seamlessly with building management systems, our solutions contribute to:



Energy optimization: Real-time monitoring and control of lighting, HVAC systems, and energy consumption based on building usage



Sustainability goals: Retrofit-friendly solutions that modernize infrastructures with minimal renovations or cabling, reducing environmental impact

Seamless integration

Smart buildings thrive on interconnected systems, supporting urbanization trends and optimizing co-working spaces for maximum efficiency and flexibility. Modern ABLOY solutions are designed for:



API and open interfaces: Ensure compatibility with various building management systems



Multi-layer data exchange: Enable seamless communication across diverse building systems, from access management to energy management



Effortless user experiences

From residential tenants to commercial staff and maintenance teams, our solutions cater to:



Controlled access for shared spaces such as meeting rooms and leisure spaces



Flexible entry for diverse user groups, including visitors and contractors



Multi-level access rights for mixed-use buildings

Safe exit in emergencies

Incorporating safety into smart building design is paramount. Abloy's exit solutions ensure:



Reliable emergency exits and lockdown capabilities

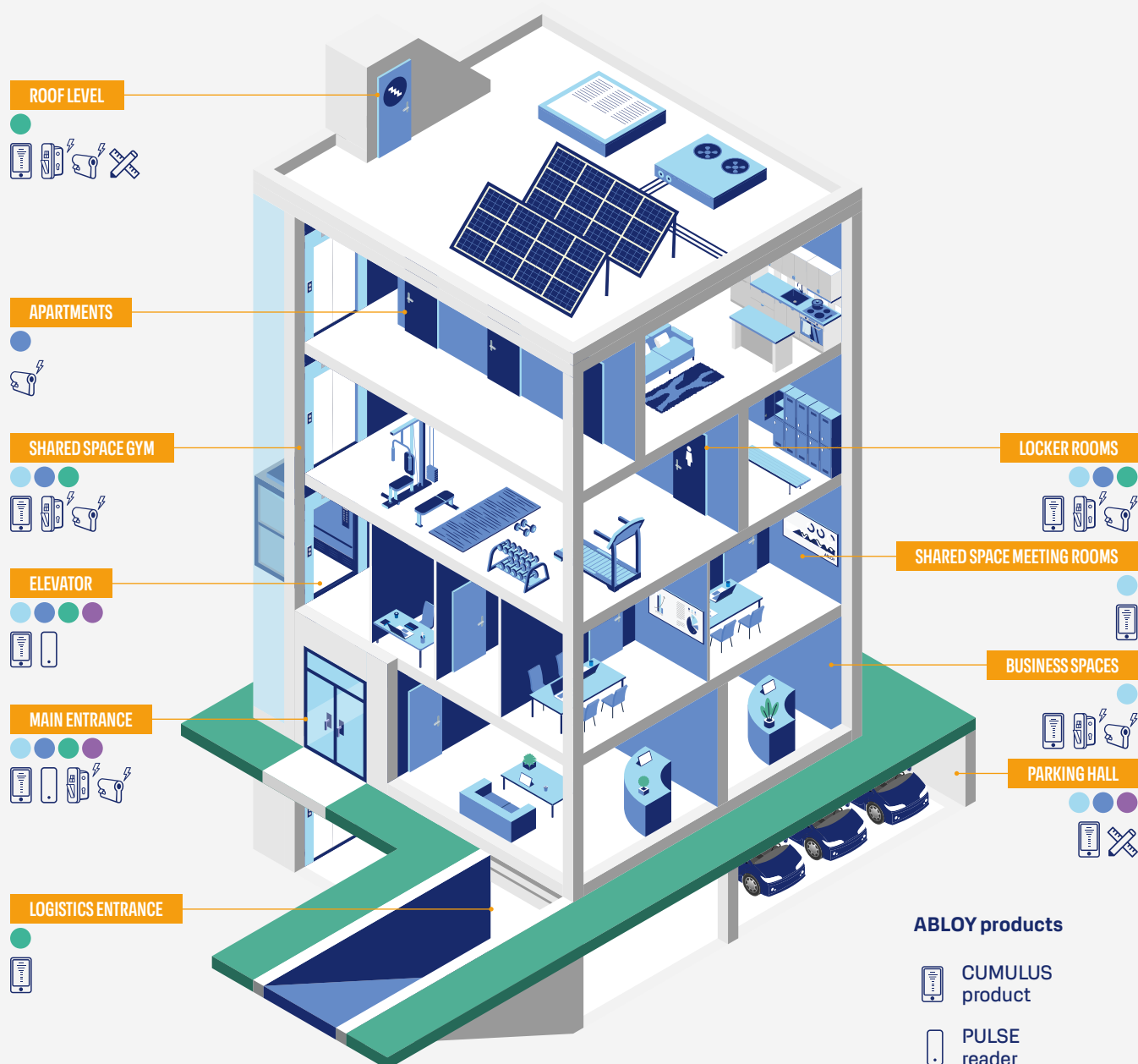


Compliance with safety regulations for diverse user demographics



CASE EXAMPLE:

Smart Building



Access Groups

- Office employees
- Residentials
- Maintenance
- Customers/visitors

ABLOY products

- CUMULUS product
- PULSE reader
- Electric lock
- Cylinder CLIQ
- Custom made product

Comprehensive product range for smart buildings

Our product portfolio offers a comprehensive range of high-quality solutions to secure all aspects of smart buildings.

ABLOY® ELECTRIC LOCKS

Designed for a seamless and smooth performance, the ABLOY Electric Locks bring extra intelligence to your door security. They are suitable for high security environments and easily integrated into access management systems. Energy efficiency is also a functional benefit, because power is typically consumed only when the lock is in use.



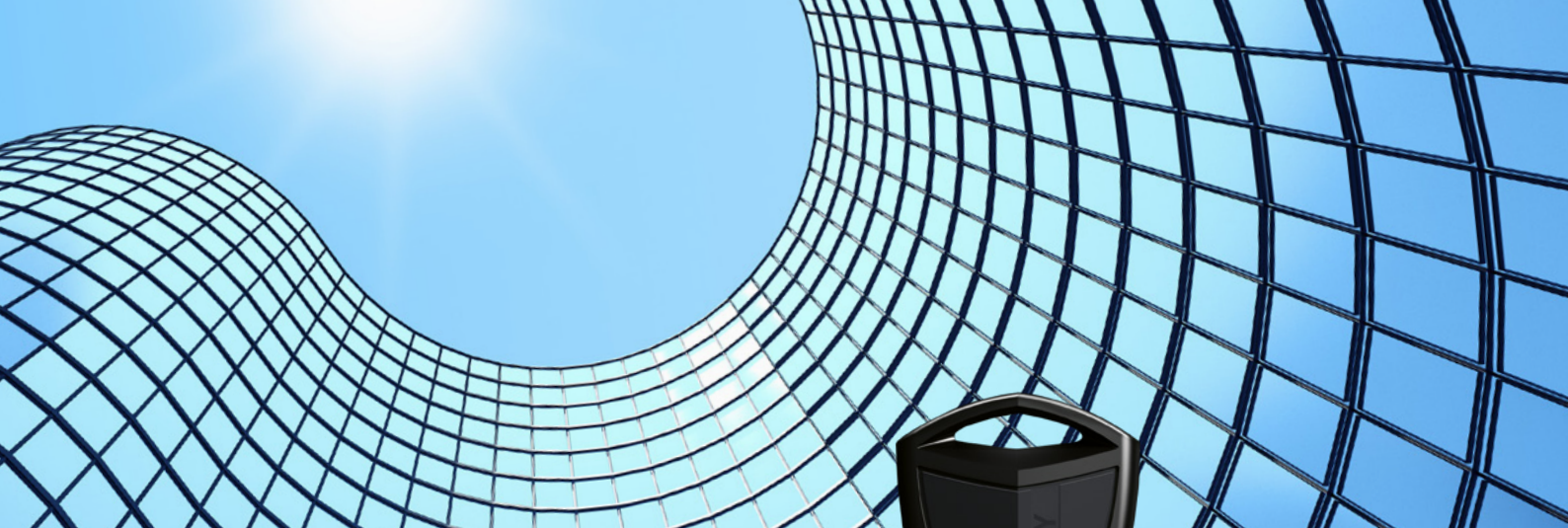
ABLOY® EXIT

ABLOY EXIT is a simple and comprehensive solution for safe exit. By preparing and investing in functional exit safety today, you can increase the safety of your exits not only in everyday life, but also in emergencies and exit situations.

PROTEC² CLIQ®

PROTEC² CLIQ is Abloy's comprehensive and flexible key and access management system. It's a wireless solution with easy installation, electromechanical keys and an audit trail. It provides situational awareness to a central location. It's also scalable for future needs and can be integrated with other systems.





ABLOY® PULSE

ABLOY PULSE is a unique digital locking and access management system that does not require batteries or cabling: The system gets its operating power when key is inserted to cylinder. An easy-to-manage cyber-secure system offers a new kind of smoothness and security for locations where people and needs change frequently.



ABLOY® CUMULUS

ABLOY CUMULUS provides the key to keyless access by bringing all the solutions together into a single ecosystem with an integrated cloud service. The CUMULUS range of keyless and online access solutions – including mobile keys, padlocks, a controller, a key deposit and other upcoming products – can be administered with the software tool that best suits the customers' needs.

ASSA ABLOY Access®

ASSA ABLOY Access is a cloud-based software designed to manage various locking solutions like ABLOY PULSE and ABLOY CUMULUS. It provides a unified, easy-to-use platform for key, tag and keyless access management. This comprehensive management software gives you the freedom to decide how you manage access and movement within smart building properties.





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ABLOY offers security and locking innovations dedicated to creating more trust in the world. Combining digital and mechanical expertise, Abloy Oy develops industry-leading security solutions that protect people, property and business. Abloy is part of the ASSA ABLOY Group, the global leader in access solutions. Every day, we help billions of people experience a more open world.

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Abloy maintains Product Security Center at www.abloy.com/securitycenter. We recommend that You check the Center on a regular basis in order to be fully informed of product security updates, so that your knowledge of our products remains optimal.

It is the customer's responsibility to define the required level of security, whilst taking into consideration relevant factors for its operations. To achieve the overall level of security required in the customer's operations multiple layers of security must be in place. These include for example locking system, key management system, access management, CCTV and alarm system as well as physical security in a manner and level specified by the customer.

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