



SECURED BY
ABLOY

FOR TRUST IN POWER

Critical Infrastructure Protection for the Power Grid

ABLOY



For Trust in Power

ABLOY solutions provide the high level of safety, control and operational efficiency for every aspect of the power industry, from generation to transmission and distribution. Assisting to meet the demands and regulations of the industry with a single holistic and future-proof solution is what we know and do well.

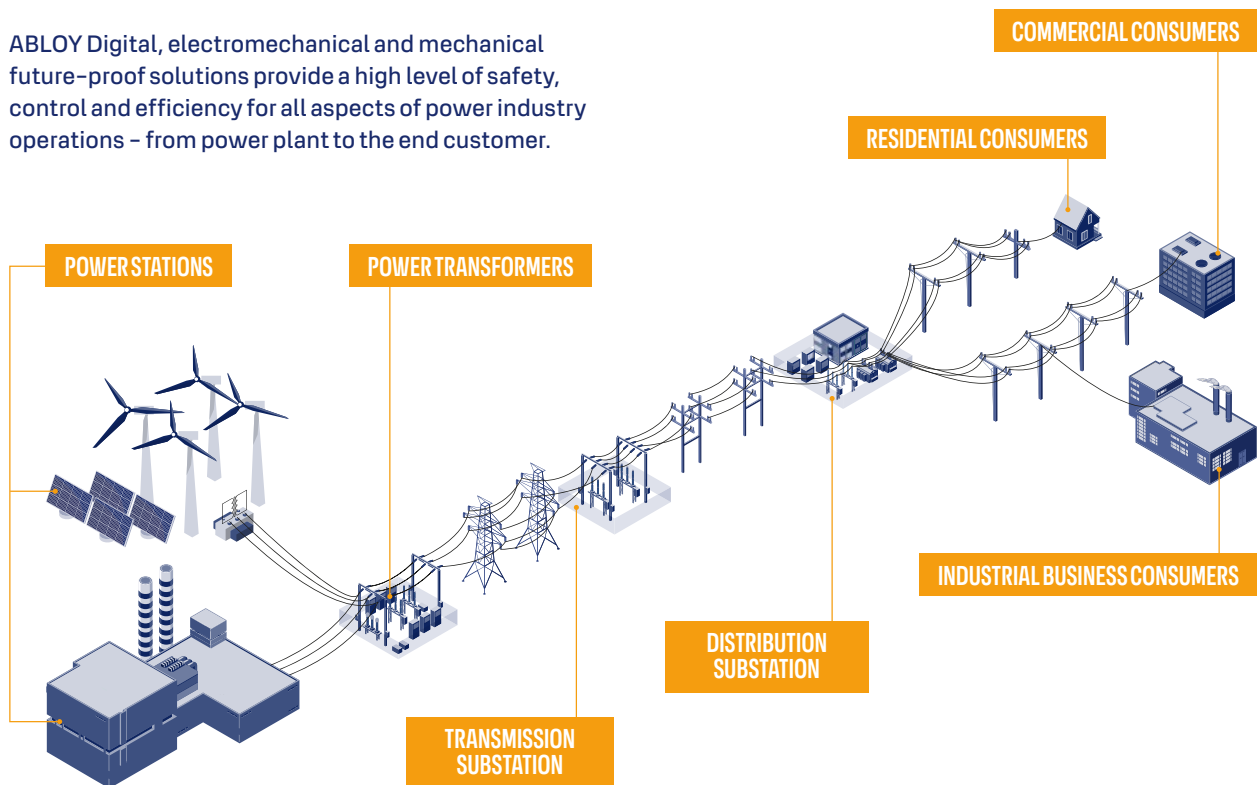
Ensuring ceaseless access to power

With sustainable development, society increasingly depends on power and renewable energy. It has never been more critical to secure every phase of the power supply chain. However, the power industry is a complex system, with dispersed power stations and substations in rural locations, making it vulnerable to theft and vandalism. These incidents can lead to the interruption of power supply and a severe loss of revenue. Moreover, when it comes to high- or medium-voltage equipment and cables, unauthorised access can cause environmental damage and even fatal accidents.

ABLOY is a world leader in simplifying access control and securing society's most critical infrastructure with flexible and scalable solutions. Minimising risks and costs is part of our daily goal of creating more trust, safety and security across every spectrum of modern society. With more than 115 years' experience, we protect your commodities, premises, equipment, assets and personnel by responding to the industry challenges with a single comprehensive solution. By connecting all your infrastructure, equipment and access control in one secure digital ecosystem, we ensure daily operational efficiency and undisturbed service.

Comprehensive protection for the entire power ecosystem

ABLOY Digital, electromechanical and mechanical future-proof solutions provide a high level of safety, control and efficiency for all aspects of power industry operations – from power plant to the end customer.



Effortless security with digital transformation

Digital Portfolio for Critical Infrastructure streamlines access management and key control by reducing the need for duplicate keys, providing transparent access

and audit trails with a keyless or key-based solution. Our future-proof digital solutions can be integrated with your workflow or 3rd-party systems.



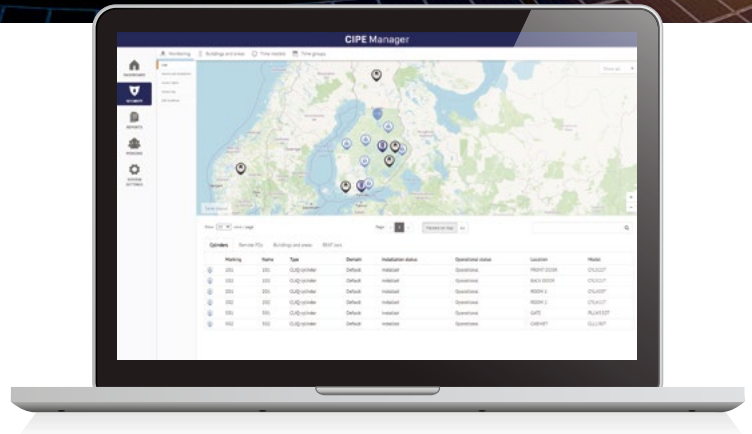
*Check availability from your local distributor

Power solution portfolio

Our power-specific solutions and products are modified to meet high safety and security requirements.

CIPE Manager

With CIPE Manager, you can manage your digital, electromechanical and mechanical solutions, and user rights on the go, with a highly visual and user-friendly interface, ensuring that the right people are in the right place at the right time. PROTEC2 CLIQ and other digital portfolio solutions are all managed with CIPE Manager.



ABLOY BEAT

ABLOY BEAT is a new keyless locking solution that is operated with a digital key and secured with the Seos® credential technology, specifically made for critical infrastructure protection. It's managed with CIPE Manager or can be integrated into third-party systems, so you are always in sync with your security situation within all critical infrastructure, industry and businesses.



PROTEC² CLIQ

PROTEC2 CLIQ is Abloy's comprehensive and flexible key and access management system. It's a wireless solution with easy installation, electronic keys, and audit trail feature. The PROTEC2 CLIQ key can open both mechanical and electromechanical locks, so there's no need to make your entire system digital.





Super Weather Proof Padlocks

The Super Weather Proof (SWP) Padlock range can withstand the harsh conditions from storm-driven salt water or fine desert dust. There are also available IP68 and ATEX approved electromechanical versions that can be linked to our CLIQ system.



Mechanical solutions

These are high security cabinet, cylinder, microswitch locks and padlocks that are all modified to comply with the power industry's special security requirements. All ABLOY mechanical master key systems can be connected to the CIPE Manager for better administration of key distribution and storage.

Custom solutions

For decades, Abloy has been developing a range of customised applications for Original Equipment Manufacturers (OEM) and end customers in the critical infrastructure industry. Whether it's a new configuration of existing components or a completely new structure for an existing system, our goal is always a cost-effective holistic solution that offers a significant competitive advantage.



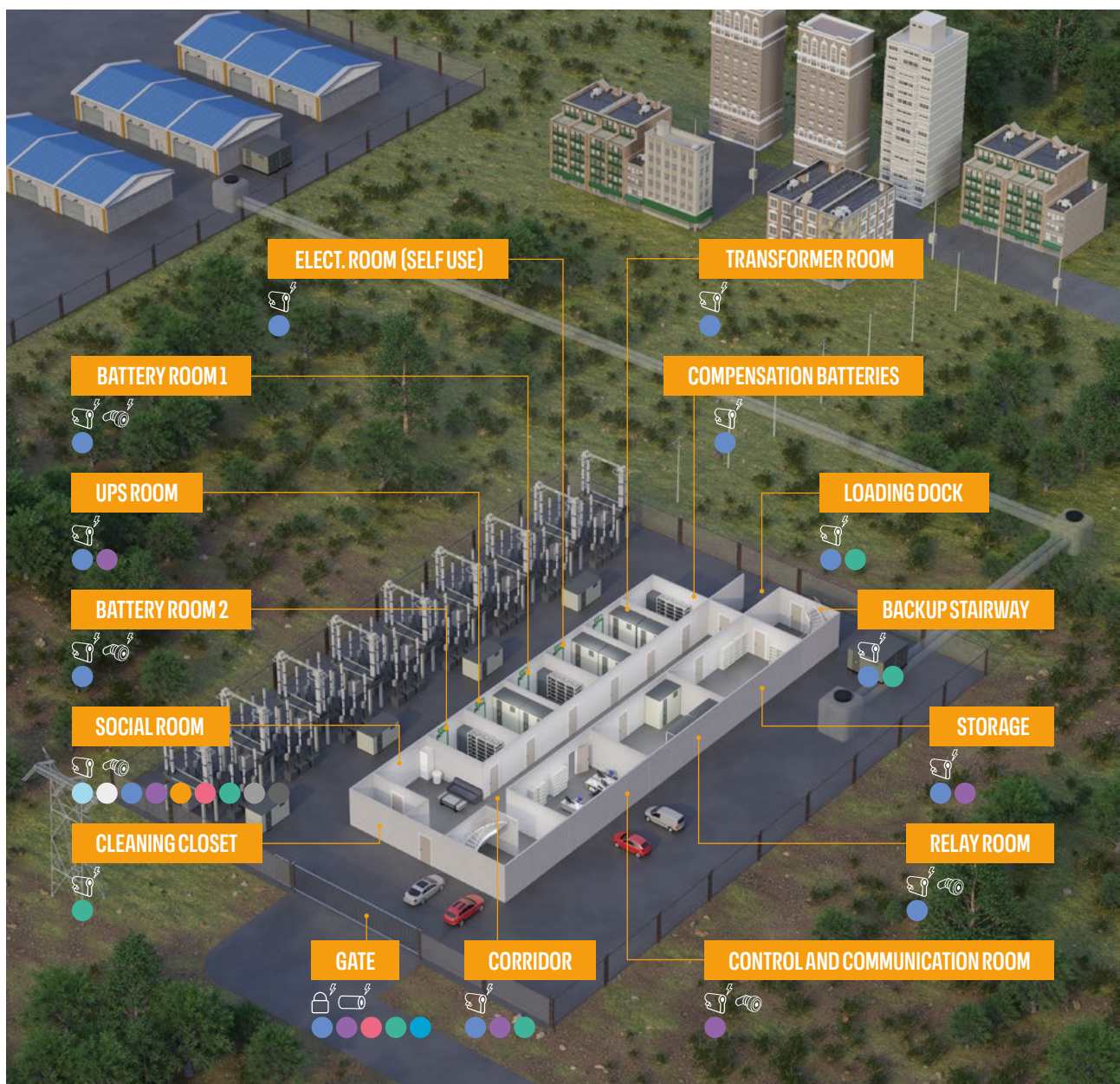
Electric substation

Access Groups

- Management
- Operational personnel
- Technical maintenance
- Data system maintenance
- Subcontractors
- Outdoor maintenance
- Cleaning
- Chemical delivery
- Delivery
- Authority

ABLOY products

- | | |
|---|--|
|  Key Deposit Lock
electromechanical |  Padlock
el.mech/keyless |
|  Cylinder
electromechanical |  Cylinder
mechanical |
|  Cam Lock
electromechanical |  Cam Lock
mechanical |



CASE STUDIES

Electricity Northwest Limited

Serves 5 million people via 57,000 km of power lines and cables and more than 34,000 transformers.

The challenge:

To control access at dispersed sites with constantly changing access requirements.

The solution:

The CLIQ system offers high flexibility, controlling access remotely to specific areas at specific times.

"Each CLIQ key can be programmed and updated individually to allow access to specific areas at specific times, accommodating constantly changing access requirements and ensuring flexibility."

Rob Bennett

Senior Market Development Manager, ABLOY UK



Helen Ltd

Secures electricity, district heating and district cooling for more than 500,000 customers all over Finland.

The challenge:

1,000 employees and numerous subcontractors have ever-changing access needs in three power stations, and district heating and cooling facilities.

The solution:

The PROTEC2 CLIQ system seamlessly integrates electronic and mechanical locking technology. Individual access rights ensure both the security of the sites in dispersed areas and the efficiency of operations. For example, a graphic user interface enables access rights to be managed and reports to be reviewed.

"The locking system is now managed through information, and not just through feel. In the future, our aim is to further automate the system. This will be fully possible with the help of Abloy."

Mats Fagerström

Chief Security Officer, Helen



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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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