

The background features a sunset sky with silhouettes of high-voltage power lines and towers. A semi-transparent network of nodes and lines is overlaid on the image, with several circular icons containing symbols for solar panels, a factory, a padlock, and a smartphone.

Critical Infrastructure Protection for the Energy Sector

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ABLOY



Trusted advisor to CNI

Security and Control,
Safety management,
Operational efficiency



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FOR TRUST



"APPROVED FOR UK GOVERNMENT USE"



ABLOY

How the world has changed!



The Security world has changed





Basic stats

- > 2 million lock points
- Global customer base
- >1 million hours saved
- av £192k pa saved collecting keys
- Reduced CLM – reaction time
- Compliance maintained

Challenges



Securing restricted areas with rapid and variable voltage equipment and changes of users and access points



Safety around high voltage equipment and power lines



Widely spread property and operations



Harsh weather and environmental conditions



Vandalism & Terrorism



Cybersecurity

ABLOY solutions



Only authorized access in restricted areas and flexible site access in emergencies



Remote key access management full audit trail



Wire free and retrofittable to all needs



Eliminate risk from lost keys



Integrated workflow for operational efficiency



Performs in extreme weather conditions

Digital portfolio for Critical Infrastructure

Your bridge to the future



A silhouette of a power line worker on a tower against a sunset sky. The worker is positioned on a high section of a lattice tower, holding onto a cable. The sky is a mix of blue, orange, and yellow, with scattered clouds. In the foreground, a power line with a ceramic insulator is visible.

Comprehensive solutions

ABLOY® BEAT



Easy to use mobile application



Convenience of a keyless solution



Ensured performance at all times in the most demanding environments

SEOS

Powered by Seos® - specifically designed for Critical Infrastructure Protection



PROTEC² CLIQ™



One key access
to everywhere
from anywhere



Remote control
of keys and access
management



Audit trail for
instant awareness
of movements



Scalable for
future needs



Integration 3rd
party systems



Case examples



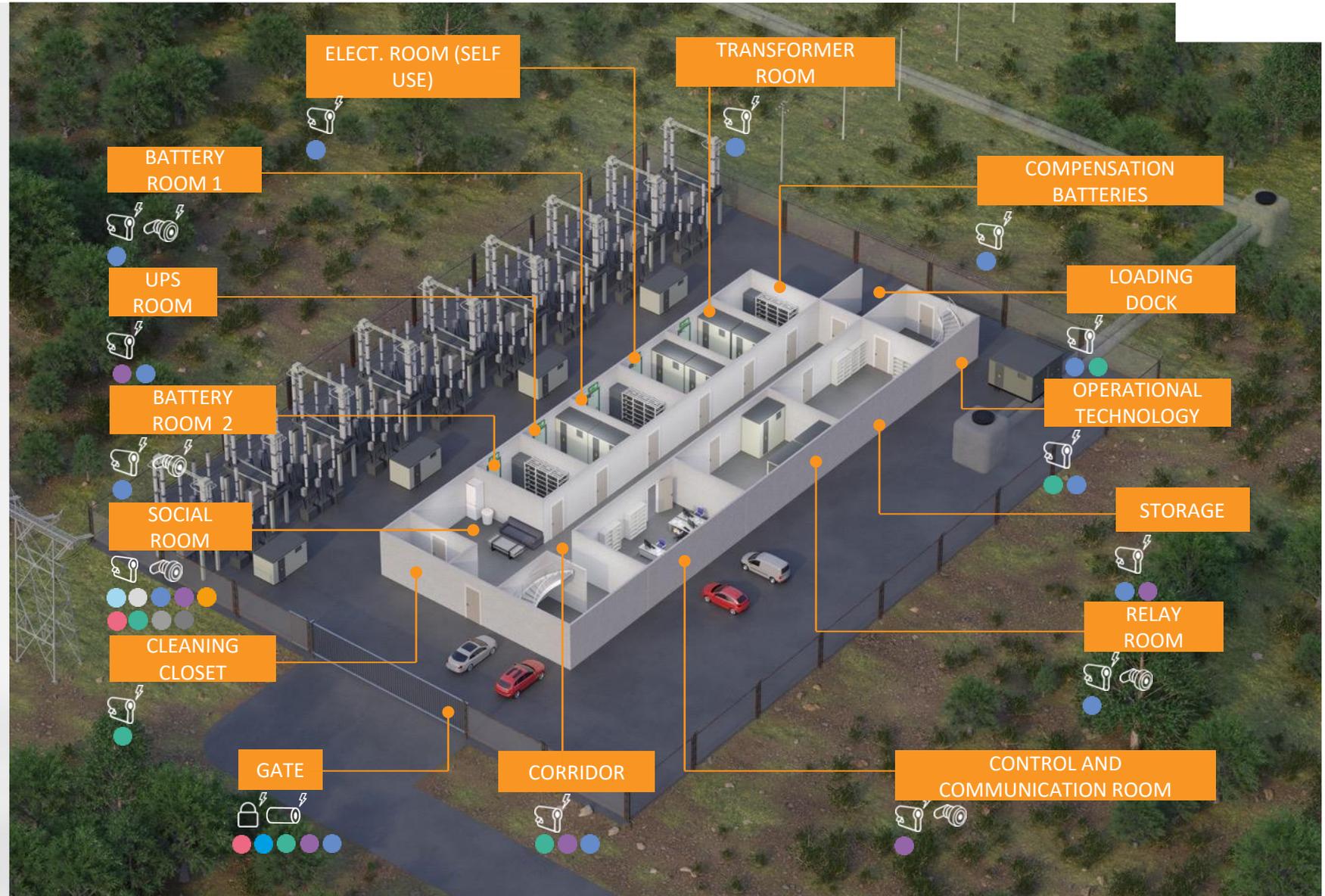
Case example: Electric substation

Access Groups

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

Products

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



Case example: Wind Turbines

Remote location, harsh weather conditions and inadequate security put stress on wind power facilities. Our product portfolio offers versatile solutions that can be applied throughout your wind power network.



TOWER DOORS



TRANSFORMER DOORS



STORAGE BUILDINGS



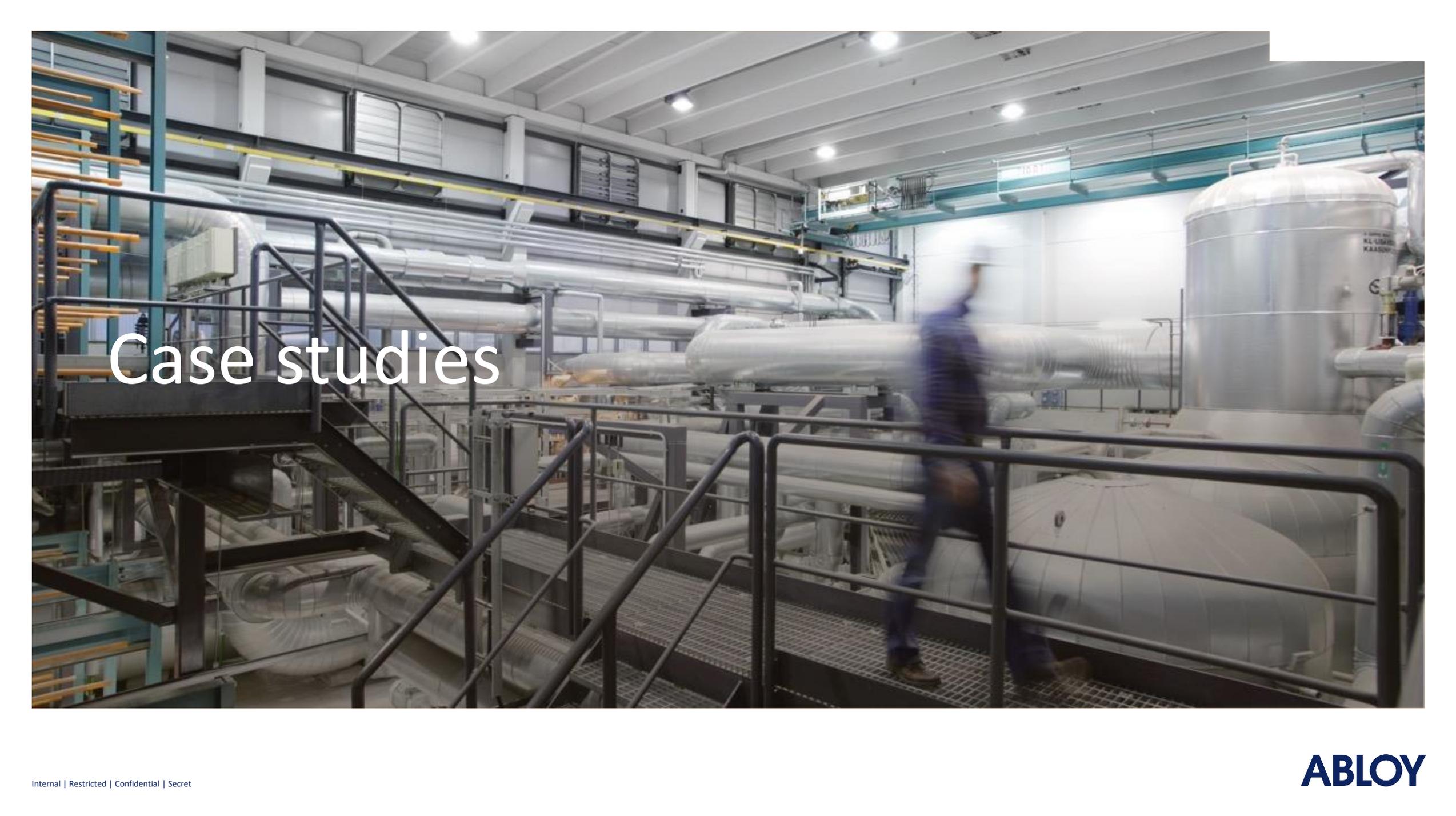
PERIMETER GATES



PERIMETER GATES AND FENCES



ANYWHERE YOU NEED HIGH SECURITY

A photograph of an industrial facility, likely a water treatment plant. The scene is filled with large, cylindrical tanks and a complex network of pipes. A worker in a blue uniform and a white hard hat is walking across a metal walkway with railings in the foreground. The background shows more industrial equipment and a bright, well-lit interior space.

Case studies

Electricity North West Limited

Serving 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 installed offers high flexibility to control 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.”

BP Alternative Energy

One of the leaders in the clean energy industry, BP Alternative energy has nine wind farm properties across four states in USA.

- The challenge: Access to the widely spread turbines and the sensitive information needed to be protected.
- The solution: Designed to meet ANSI standards and to perform in harsh conditions, PL340 padlocks, were installed on the turbines, j-boxes, the MET access gates and storage connexes.



“We were looking for a lock that was extremely secure while performing well under a variety of demanding conditions. In the five years I’ve managed this farm, we’ve only replaced one lock due to a malfunction.”

Stewart Whitman
Performance Manager , bp’s Flat Ridge 1
Wind Farm; Isabel, Kansas

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: PROTEC² CLIQ creates a single security control system, where access rights are remotely controlled and defined by employment position.

“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

A photograph of a man and a young child sitting in bed, reading a book together. The man is on the right, looking at the book. The child is on the left, also looking at the book. The scene is dimly lit, with a warm, golden light source from the right, creating a cozy atmosphere. The word "ABLOY" is overlaid in large, white, bold, sans-serif capital letters across the center of the image.

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