



Protecting Critical Infrastructure

DETER. DELAY. DEFEND.

EXPERTS IN CRITICAL INFRASTRUCTURE PROTECTION



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UK Government defined national infrastructure sectors:

- Chemicals
- Civil Nuclear
- Communications
- Defence
- Emergency Services
- Energy
- Finance
- Food
- Government
- Health
- Space
- Transport
- Water

**THE NEED TO
PROTECT CRITICAL
INFRASTRUCTURE
HAS NEVER BEEN
GREATER.**



Expertise in Critical Infrastructure Protection

Abloy has a proven track record of helping to protect critical infrastructure in the UK for over half a century.

The Abloy CNI team has considerable experience working with clients responsible for providing the UK's Critical Infrastructure resources, and remains committed to providing the best security solutions advice and support to help safeguard resilient and continuous services. Having access to critical infrastructure and ensuring asset information remains secure is fundamental to our services. All Abloy's CNI team have completed as a minimum BPSS or CTC checks dependant on their involvement and access to assets and data.

Threats

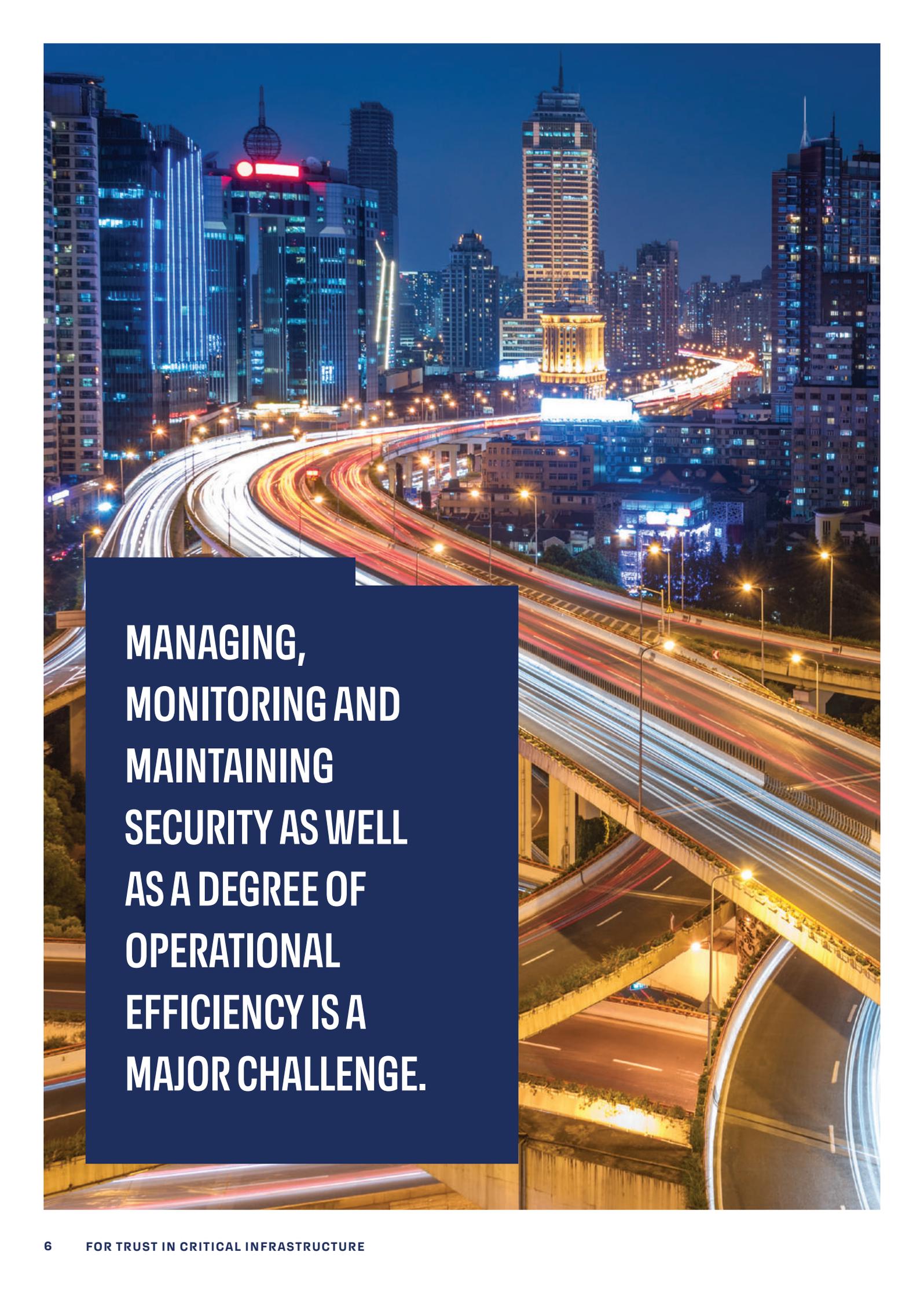
The need to protect critical infrastructure remains constant, either because of world events and possible state sponsors attempting to disrupt the country's economy, or closer to home from disgruntled employees looking to cause loss of reputation. News headlines frequently focus on Cyber threats, but the increase in physical resources required to support business and society's insatiable demand for

digital services and the energy required to support these demands means the physical protection of remote and critical sites is essential.

Health and safety

Abloy's understanding of international as well as national standards ensures health and safety requirements are managed alongside the security needs of Infrastructure. By only specifying compliant security solutions they will contribute to safe a working environment helping to manage individual's competencies and capabilities to work in a certain environment or on dangerous equipment whilst at the same time increase control of operational staff and contractors.





**MANAGING,
MONITORING AND
MAINTAINING
SECURITY AS WELL
AS A DEGREE OF
OPERATIONAL
EFFICIENCY IS A
MAJOR CHALLENGE.**

Take control, Increase efficiency, Save money

Asset Management

CNI estates cover large geographical areas; managing, monitoring and maintaining security as well as delivering operational efficiencies is a major challenge.

ABLOY understands these challenges, using years of experience and working closely with all relevant departments within an organisation to provide solutions that benefit the business, means regulatory compliance is maintained, reducing health and safety incidents, delivering operational savings whilst at the same time ensuring assets are managed and kept secure.

Integration

System integration is defined in engineering “as the process of bringing together the component sub-systems into one system”. The rapid expansion of IoT means we all expect technologies to work together because we believe they can be integrated. Our experience has shown that we are often dealing with legacy systems that don’t allow for integration without the use of middleware.

Through sophisticated API, ABLOY systems have the capability to integrate with systems such as Command and Control and Permit to Work. This allows the “routine to happen routinely” whilst at the same time controls and manages individuals, ensuring only competent staff have access to carry out the work fast and efficiently, effectively preventing health and safety incidents or system disruptions and compliance failures.

Operational Efficiency

Financial savings, reduced CO2 emissions and perhaps most importantly time saving can be made with ‘smart’ infrastructure integration. For example, access control can be linked with Enterprise Resource Planning systems to identify appropriately trained key holders on shift, allowing Permit to Work systems to do the hard work efficiently. Through integration, efficiencies can be realised whilst ensuring the individuals are competent to carry out the work to ensure the owner/operator/contractor remain compliant for the task, and enables Telemetry and SCADA systems to see where they need to be deployed.

The hybrid between mechanical and electronic technologies is the ‘key’ to success, maintaining the strict standards required for physical security whilst enhancing the operational efficiencies and the security for the future.

All national infrastructure organisations seek to improve operational control and efficiency often compromising security for convenience. ABLOY solutions are practical to use, don’t compromise security levels and has proven a return of 600 per cent can be achieved in the first 12 months following Installation of our solutions in some sectors.



**THE FUTURE OF LOCKING
AND ACCESS CONTROL IS A
COMBINATION OF DIGITAL
COMMUNICATIONS AND
PRECISION MECHANICAL
PRODUCTS.**



World Class Solutions, Expertise and Support

ABLOY's Digital Transformation Team is the only certified CLIQ® Competence Centre by Abloy in the UK; a dedicated team providing expertise, service and support for CLIQ® systems in the UK & Ireland, and one of only six authorised CLIQ® Competence Centres globally.

ABLOY believe the future of locking and access control is a combination of digital communications and precision made robust and reliable mechanical products. For several years ABLOY has invested in advancing CLIQ® technology to deliver the best range of solutions to meet the increasingly demanding requirements of the market. The highest AES encrypted triple authentication technology working with world leading, standards compliant locking devices.

Certification of Abloy UK's Digital Transformation Team as a CLIQ® Competence Centre by ABLOY is further evidence of the investment in CLIQ® to support all customers locally.

CLIQ® Features and Benefits

Key management challenges related to uncontrolled quantities of keys in circulation as well as lost and stolen keys is a major risk and could be the root cause of infinite expenditure.

CLIQ® Web Management software allows an individual's key access rights to be turned off in the event of being lost or stolen, full audit trails of individual keys or locks via reporting tools such as BI or SAP ensure you can track who has used which key, where and when. Many CNI organisations operate remote sites and it's important to track and review who has had access to these sites especially if an incident has taken place.

CLIQ® OS provides a simple to view and complete overview of all your sites and locking points, and can enable access permissions to be granted remotely for a specific time period, giving you full control of security management especially valuable for your remote sites.

Reports and Mapping

Either as a standalone or fully integrated solution, Abloy provides solutions with the user in mind meaning you the customer has a comprehensive visual snapshot of risk management, as it facilitates and improves the management processes when all credentials and locks are controlled via a single screen at an Alarm Receiving Centre (ARC) or on individual sites.

- ABLOY believe using the data available can provide exception reports alerts and can be used in crisis or incident management, as well as scheduling Maintenance.
- ABLOY solutions continue to evolve. Continuous software and security updates are always included to ensure the most secure and up-to-date software is fully maintained against the latest cyber risks as well as offering the latest features.



Thinking of the Future

Sustainability

Critical national infrastructure organisations are under more pressure than ever before. In 2016, the population of the UK was 65.6 million and is projected to reach over 74 million by 2039.

Power generation, utilities, telecoms, healthcare, transportation and financial institutions are already feeling the increasing demand and are investing heavily to provide a more sustainable infrastructure to support them.

This pressure is amplified by the corporate and government targets for increased efficiencies and reduced environmental impact.

Creating SMART Infrastructure Is at the core of our Mission

- Global connectivity – use our global expertise to build and integrate leading solutions and requirements in all areas of infrastructure .
- Substantially reducing wasted journeys and CO2 emissions.
- Predictive Maintenance planning, reducing downtime and potential customer lost minutes.
- Reduced Power consumption.
- PEOL – Abloy are managing the process of end-of-life recycling to help our customers meet their sustainability objectives.

Standards and Compliance

Fitting the appropriate system correctly is crucial to successfully protecting people as well as the countries essential services and economy, whilst fulfilling your legal requirement. For many years Abloy UK has championed this cause to ensure people and property are safeguarded and the Abloy Academy hosts monthly CPD Training courses to ensure those responsible for specifying, installing and maintaining important assets are up to date on the relevant UK and international standards.



Abloy UK's commitment to Critical Infrastructure

Abloy's knowledge and expertise to help protect the UK's Critical National Infrastructure has developed from over 50 years' experience working with national infrastructure and government security advisors.

Our team of experts understand the needs and demands of the core sectors and maintain an up to date knowledge of the regulations and standards within those sectors, to make sure we continue to develop and deliver the right security solutions for our customers.

Certification of our products ranges from the basic requirements of BS EN building regulation compliance to the higher security rated LPS standards.

To find out more about how Abloy's CNI team of specialists can help you, or if you have a specific project you would like to discuss, please email CNI@abloy.co.uk or phone 01902 364500.



SECURED BY
ABLOY

Abloy is a security and locking innovation company with trust at the core of all activities.

By combining mechanical and digital expertise Abloy develops industry leading security solutions to protect people, property and business.

Abloy is part of the ASSA ABLOY Group.

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