

Critical Infrastructure Protection

Physical Security
Regulatory Compliance

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Why Medeco Intelligent Key Systems are an *Efficient and Effective Solution*

Critical Infrastructure Security Requirements

In today's world, disruptive events occur without notice. Terrorism and cyberterrorism are constant threats, especially with regard to America's critical infrastructure. The goal of the Department of Homeland Security and the National Infrastructure Protection Plan (NIPP) is to build a safer, more secure, and more resilient America by enhancing protection of the Nation's critical infrastructure and key resources. Today, all North American critical infrastructure sector companies must now adhere to a framework that enforces physical security measures.



The Role of Locking Systems in Critical Infrastructure Protection

One of the most cost-effective and efficient ways a critical infrastructure sector company can meet and sustain compliance with several key NIPP frameworks is to simply replace a vulnerable and outdated mechanical key system with a Medeco Intelligent Key System.

A Medeco Intelligent Key System provides all the security benefits of an electronic access control system without the high cost and the time needed to implement. Numerous small, medium and large utility customers from the U.S.A. and Canada are using Medeco Intelligent Key solutions to help protect their facilities and provide needed compliance for physical security.

Critical infrastructure companies tend to operate across large geographic areas. Some companies have multiple locations and some sites are remote. Typically, a large number of people need access at all hours, whether it is employees or third-party contractors on a temporary work schedule. An ideal locking system will provide not only physical security but also flexible access control on all openings. The ideal security solution for critical infrastructure companies is a Medeco Intelligent Key System.



How a Medeco Intelligent Key System Works

Replacing a facility's key system can be a daunting undertaking, especially if it's an electronic access control system or EAC. Any solution requiring outside power may require a sizeable investment to run cable and hardwire doors and other access points. There may also be construction delays and unexpected downtime during the build out phase.

With Medeco, there is no need for hardwiring so installation is fast and efficient, and on-site maintenance is minimized. Every lock in the Medeco Intelligent Key System is a simple retrofit. That means a mechanical cylinder can be replaced with an electronic cylinder in just minutes using existing hardware. Programmable electronic keys, powered by replaceable (Cliq) or rechargeable (XT) batteries, energize the lock cylinder once the key is inserted. Because there is no outside power source, Medeco Intelligent Key Systems can be deployed in all interior and exterior climates—from office spaces to outside perimeters— even remote access areas that use padlocks!

Once a Medeco intelligent key is inserted into the lock, an audio and LED indicator lets the user know whether or not the key has the necessary access rights. Communication between the cylinder and the key is encrypted to ensure the highest levels of security. Key management software

Installation of a Medeco Intelligent Key system is a snap.

Without the need for hard wiring, the installer simply removes the old cylinder and drops in the new cylinder. That means deployment is fast and efficient—good news for a critical infrastructure sector that needs to be in compliance with physical security standards.

and programming devices allow administrators to program, amend or delete keys remotely and instantly.

A key can be given a short authorization time-window, say 9:00 a.m.–5:00 p.m., thus minimizing risks associated with lost keys or changes in personnel. Security managers can also generate time-stamped audit trails for any lock or key, trace access workflows, or use a visual audit dashboard to see at-a-glance information on the full system.



Medeco XT Intelligent Key System

Medeco CLIQ Intelligent Key System

Medeco Intelligent Key Systems are a Smart Business Decision

Critical infrastructure sector companies have deployed various methods to be in compliance with the NIPP framework. Those approaches include physical access control systems, electronic access control systems, cameras, security locks, fences and other means.

The NIPP framework does not mandate which security measures must be implemented for compliance—that is left to the owner's or operator's discretion. Medeco offers two intelligent key solutions to help adhere to the NIPP requirements

and also to the NERC CIP standards for physical security compliance:

- **Medeco XT Intelligent Key System** (electronic locking system)
- **Medeco CLIQ Intelligent Key System** (electro-mechanical locking system)

Both platforms provide controlled access, accountability, physical security, and system management—the features needed most for physical security regulatory compliance.



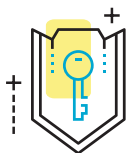
The ASSA ABLOY Group is the global leader in access solutions. Every day, we help billions of people experience a more open world.

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

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Benefits of a Medeco Intelligent Key System



Key Management & Access Control

- Respond quickly to security threats, lost or stolen keys, or personnel changes. Access rights can be changed instantly—even remotely.
- Access doors, cabinets, gates—even remote areas—with one key.
- Experience improved security due to flexible access, electronic scheduling and key management, e.g., the right person (employees, consultants and service crews) at the right location at the right time.



Access control for mobile workforce

- Update keys (access rights) wirelessly from anywhere and anytime using Bluetooth connectivity with an iOS or Android mobile phone.



Audit Accountability

- Get a time-and-date stamped record of every event—including unauthorized attempts. Audit information is recorded in both the lock and key.
- Third party integrations available.



Physical Security

- Delivers strong protection against forced entry with attack-resistant design and tamper-proof features.



Reduce Costs

- Saves time and money with administration. No need to return to the administrator to update keys or replace batteries.
- Install either system quickly and easily using existing hardware—no need to hard wire doors or provide an outside power source.
- Save on IT infrastructure costs with optional Medeco hosted software. SaaS cloud solution uses Amazon web services (AWS).
- AWS GovCloud. AWS GovCloud (US) gives vetted government customers and their partners the flexibility to architect secure cloud solutions.



Service Availability

- Enjoy 24/7 high-availability environment (AWS 99.99%, excluding planned maintenance).
 - » All services are monitored 24/7
 - » Optional professional support is available 24/7



Trust Medeco to help your facility meet regulatory compliance requirements for physical security and access control. Medeco Intelligent Key Systems are an efficient and cost-effective solution.

To learn more, contact Medeco Customer Service at 877-633-3261.

Patent pending and/or patent www.assaabloydss.com/patents

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