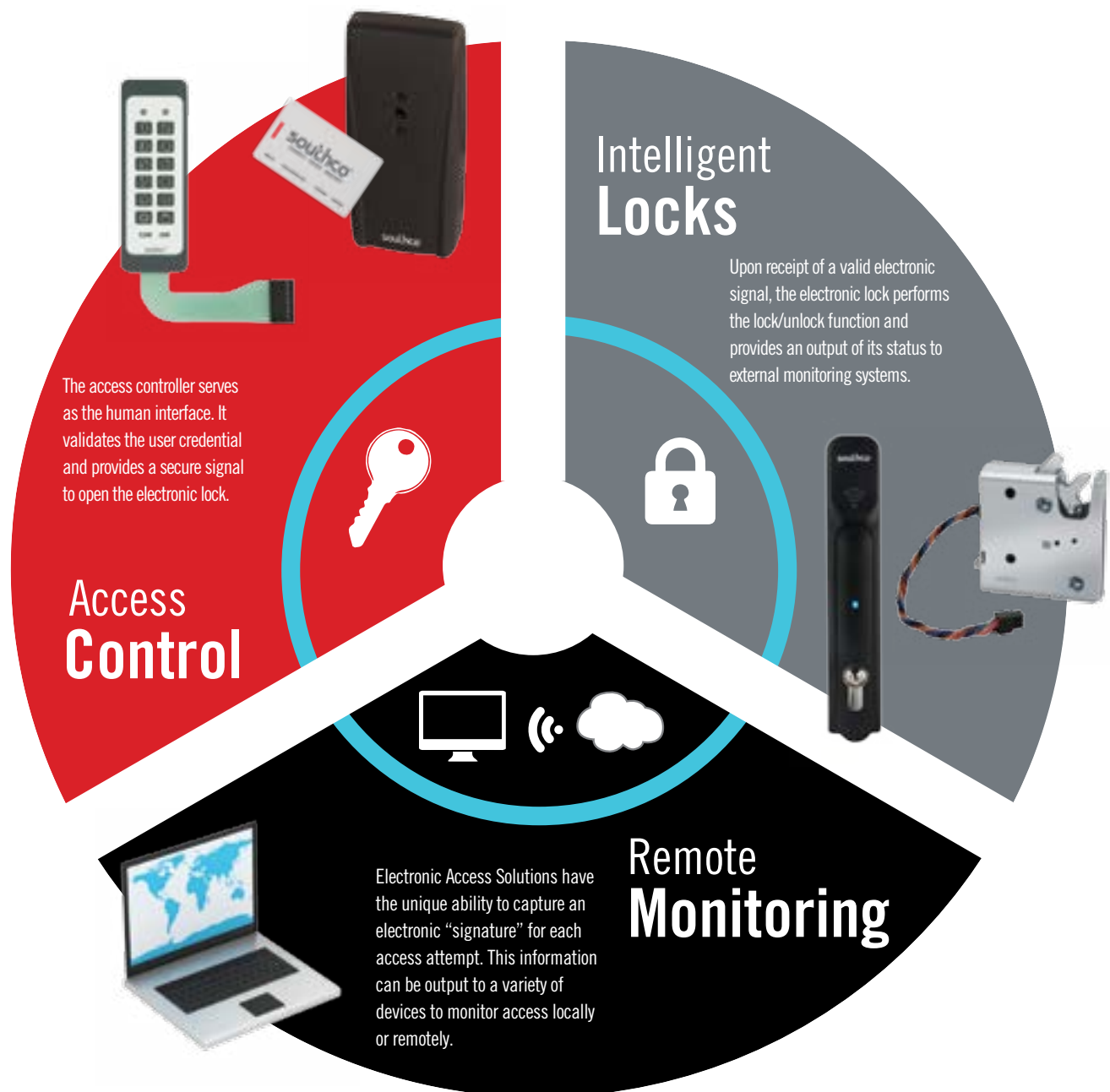# southco®

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# Electronic Access Solutions

# System
# Components

An optimum Electronic Access Solution (EAS) is comprised of three basic elements: an access control device, an intelligent electronic lock and remote monitoring. Together, these components provide a complete solution for electronic access.

## Intelligent Locks

Upon receipt of a valid electronic signal, the electronic lock performs the lock/unlock function and provides an output of its status to external monitoring systems.

## Access Control

The access controller serves as the human interface. It validates the user credential and provides a secure signal to open the electronic lock.

## Remote Monitoring

Electronic Access Solutions have the unique ability to capture an electronic "signature" for each access attempt. This information can be output to a variety of devices to monitor access locally or remotely.

# System
# **Benefits**

Southco's Electronic Access Solutions are specifically designed for enclosure access, and seamlessly integrate with existing systems to provide a complete solution for physical security and access control. Our EAS products are designed to work together to provide a comprehensive, reliable system for electronic locking to help meet the following goals:

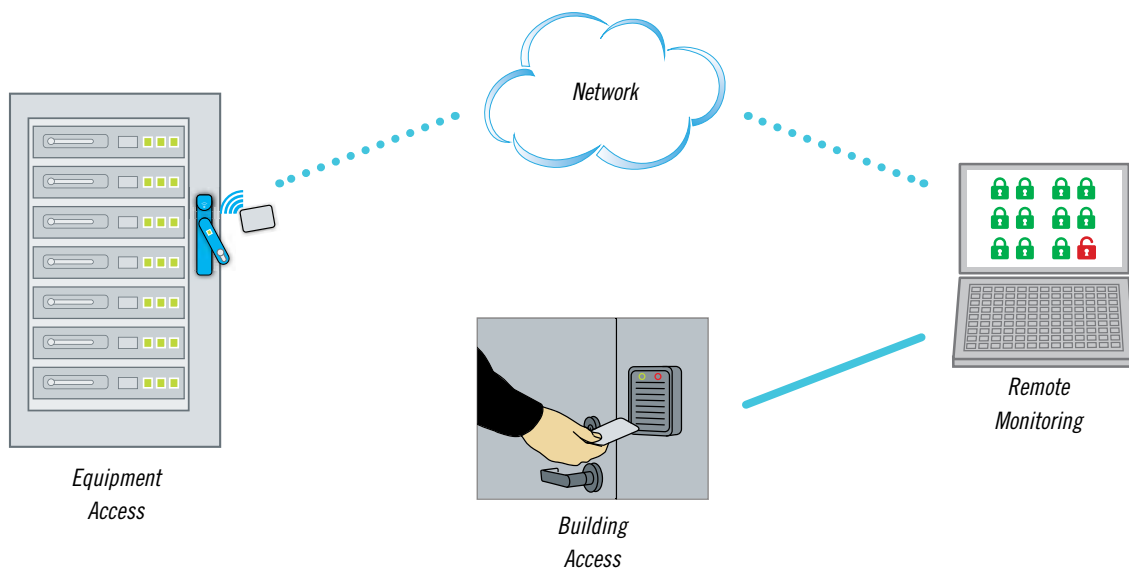| Remote monitoring and control | Enhanced user convenience | Improved industrial design | Elimination of key management issues | Compliance with industry regulations | Increased physical security |
|---|---|---|---|---|---|



*Equipment Access*

*Network*

*Building Access*

*Remote Monitoring*

# System
# **Integration**

From a simple switch to a more advanced software-based, wired or wireless networked access control system, Southco provides a range of integration options to meet your system requirements.

**Self-Contained Solutions** offer simple, drop-in installation and programming to provide access control and electronic locking in a single unit, without the need for wiring

**Standalone Solutions** offer basic plug-and-play access control without the need for software or network administration, but do not provide remote, networked monitoring and control

**Integrated Solutions** can be combined with building access control and monitoring systems to incorporate enclosure level access control into existing security systems

**Independent Networked Solutions** can be used to monitor and manage access across networks from a host computer for remote system configuration, access control and the monitoring of multiple access points

# Access
# Control

Southco's electronic locking devices can be combined with existing access control systems or we can provide solutions for access control depending on the unique requirements of the application.

*Smartphone based solutions combine all three*

## Something
## you have

Cards, badges or a key already used by the individual can be combined with existing building security systems to control access.

## Something
## you know

Keypads offer a simplified method of limiting access to individuals based on something they know, namely a PIN or passcode.

## Something
## that is you

Access control can be something as exclusive to the individual as a biometric identifier or even a cell phone – something that is uniquely "you".

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# Intelligent Electronic

The electronic lock is the most critical component of an electronic access system, as the entire system is dependent upon the lock's function. There are several key factors to include when choosing an electronic lock.

## Physical Application Requirements

**Operating Load**
How much load can the lock operate against mechanically?

**Strength**
How much load will the lock be required to withstand?

**Operation**
Is push-to-close functionality desired?

**Industrial Design**
How important are aesthetics to the overall design?

**Environmental**
Is the lock exposed to the elements such that it requires sealed electronics?

**Security**
Does the lock need to be concealed?

## Relocking Options

**Automatic Relocking**
- Spring-loaded cam design allows a lightweight door to easily "pop open" when signal is received
- Immediately returns to the locked state and is ready to relock upon closing

**Delayed Relocking**
- Lock can be held in unlocked state as long as signal is present
- Allows a door to be opened and closed several times without needing to provide credentials at each instance
- Suitable for heavier doors that will not kick open easily or where remote lock/unlock manual door opening is preferred

**H3-EM Electronic Locking Swinghandle**
Integrated access control reader and lock for complete physical security

**R4-EM 5 and 7 Series**
Reliable operation resistant to moisture and dust

**R4-EM 8 and 9 Series**
Varying levels of integrated intelligence and functionality

**SC Self-Contained**
Access control device, electronic lock, electrical override and power supply in one unit

**EM-05 E-Keeper**
Compact design works with existing mechanical latches for electronic access

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# Locking Solutions 🔒

## Status Feedback Requirements

**Door Status**
An integrated door sensor determines if the door is open or closed

**Lock Status**
Communicates whether the system is electronically locked or unlocked

**Latch Status**
A signal communicates if the lock is mechanically in the open or closed state

## Electrical Requirements

**Current Consumption**
Southco's efficient locking solutions typically operate under 500mA and only during actuation
- Minimizes wiring
- Lowers control system costs
- Reduces power supply requirements

**Voltage Regulation**
Compatible with a range from 12 to 24 volts, the lock regulates the voltage provided for efficient operation

**Integrated Intelligence**
- Microprocessor control
- Lock status sensing
- Circuit protection

**Manual Override**
A manual override system can provide access in the event of a system power failure. Southco offers solutions for both mechanical or electrical override.

**Security System Integration (SSI) Kit** Integrates with existing building access control for equipment level security for remote monitoring and audit trail

**R4-EM 4 and 6 Series**
Compact, lightweight design for limited space applications

**EM-10 E-Keeper**
Versatile configuration to upgrade existing mechanical locks and can be orientated in any direction

# Remote
# Monitoring

Electronic locks facilitate remote monitoring and can be networked with security systems to monitor and control access locally or remotely. Southco's Electronic Access Solutions allow you to:

- Grant access from a remote location
- Generate audit trail records of access attempts and door status
- Provide input to other automated systems

This information, together with additional security and environmental data, can be output to a variety of devices from simple indicator lights to networked, software-based remote monitoring systems.

**Partners**
Southco, along with our solutions providers, can provide end-to-end solutions for your application.

## Data Security Compliance

Southco's Electronic Access Solutions provide a record of indisputable evidence that can be used to meet physical security requirements and demonstrate compliance with regulatory requirements such as:

- Payment Card Industry Data Security Standard (PCI DSS)
- Health Insurance Portability & Accountability Act (HIPAA)
- Sarbanes—Oxley (SOX)

- Federal Information Security Management Act (FISMA)
- Critical Infrastructure Protection Act (CIP)

PCI DSS COMPLIANT    FISMA    ✓SOX COMPLIANT    HIPAA

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