

# Case In Point



## An Access Control Solution featuring Security Management System (SMS)

### Olathe, Kansas Schools Standardize on Electronic Access Control

Installing a Schlage Security Management System has enabled Kansas' Olathe Unified School District 233 to eliminate the use of mechanical keys and simplify access control management at all the buildings in its system. Since 2004, the district's 50 schools and support buildings, which serve almost 25,000 students, all have been converted to keyless entry.

Although the previous configuration of several high-security mechanical systems provided greater security than conventional keys, the district wanted to improve key control and simplify the process of issuing keys. The district engaged Ingersoll Rand Security Technologies to develop a comprehensive specification guide for

Teachers carry cards to monitor and access playground doors, which are also equipped with alarms that sound if the door is propped open or it isn't closing and latching properly.



Main entrance at Ravenwood School allows exiting through multiple doors equipped with Von Duprin exit devices. LCN power operator on door at right accommodates those with disabilities.

#### System Ties into Building Network

Because the district's buildings were already networked for electronic communications, it was easy to integrate the Schlage system network across all facilities. The Schlage system is monitored from the district's service center, and auxiliary sites provide backup and the ability to check and change data. In addition, each school principal decides who gets credentials and what times they are allowed entry to his or her building.



Schlage VIP open architecture integrated access control on rear entrance to the Olathe Unified School District's maintenance division combines mechanical hardware with the ability to monitor door position.

electronics, security integration and door hardware to accomplish its objectives.

Electronic access control makes it easier to manage entrance and egress while improving security and safety. In an emergency, exit devices provide a safe way out of all doors, with re-entrance controlled by card access.

Proximity cards are the standard credential tool. One advantage of the keyless access system is its ability to be programmed so people who need after-hours access can get into a building while restricting others. A related benefit is the record of audit trails that the system captures.

An important benefit of using the electronic access control system is that it is dynamic and able to accept change. Such systems are constantly being upgraded, and the Olathe district's system has the ability to accept new software features as they are developed.

#### Incorporating Hardware Components

Although the electronic system controls and manages building access, hardware is still an important part of the system.

Whenever possible, LCN door closers and Von Duprin exit devices were used in combination with mortise and cylindrical applications. Because the district's buildings already had a large percentage of Von Duprin 99 Series exit devices, it was able to convert them to electric latch retraction to work with the new system by using retrofit kits. This resulted in a significant cost savings, and eliminated the need to replace the entire devices.

For some openings, particularly in the maintenance facilities and building mechanical areas, Schlage VIP open architecture hard wired integrated access control locksets were used. These combine mechanical hardware with the ability to monitor door openings using the existing access control software. They also incorporate a card reader, door position switch, request to exit device, and an override key into the exit trim or mortise lock instead of requiring a separate card reader, electrified trim and power supply.



*Aluminum doors and frames use loop-type power transfers, while LCN door closers ensure proper closing and latching.*



*Dummy cylinder in outside trim restricts re-entry from playground to teachers and staff members with card credentials.*



*Proximity cards are used by Olathe school teachers and staff members to gain entrance to controlled doors and for after-hours access.*



*Exterior view shows part of Olathe's Ravenwood Elementary School.*

### **About Ingersoll Rand Security Technologies**

Ingersoll Rand Security Technologies is a leading global provider of products and services that make environments safe, secure and productive. The sector's market-leading products include electronic and biometric access control systems; time and attendance and personnel scheduling systems; mechanical locks and portable security, door closers and exit devices, steel doors and frames, architectural hardware and technologies and services for global security markets.

Ingersoll Rand Security Technologies is a sector of Ingersoll-Rand Company Limited, a global provider of products, services and solutions to industries as diverse as transportation, manufacturing, food retailing, construction and agriculture.



*Olathe Northwest High School is one of four high schools in the Olathe district that all have the keyless entry system.*



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### Division Profile: Overhead Door Company of Kansas City

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