

GE  
Security

# Security and Life Safety for Healthcare Facilities

The right prescription for creating  
a safer and more secure environment



## Taking care of you, so you can take care of them

Security in a healthcare environment requires a balance of control and accessibility. Patients want to feel safe. Visitors want to feel welcome. And staff members want to do their jobs without being inconvenienced by systems that interfere with movement and efficiency.

GE helps you take care of all your security and life safety requirements—so you can take care of your patients. With flexible, scalable hardware and software, GE meets the requirements of health-

care facilities worldwide, from small community hospitals to multi-campus medical centers.

GE Security provides security, life safety and communication systems that:

- Manage multiple security functions from a central command and control platform
- Link events to actions across multiple security systems
- Use open architectures to work with established IT standards
- Retain backwards compatibility with equipment you already have
- Maximize the reliability of fire and intrusion detection, reducing unwanted alarms

- Lower costs by using existing wiring for fire alarm and nurse call systems
- Use standard TCP/IP communications to integrate security systems with your existing LAN/WAN infrastructure
- Assist in compliance with JCAHO, HIPAA and other regulatory standards
- Reduce installation costs and downtime

**For decades, healthcare providers have turned to GE for new technologies that advance medical science and improve patient care. Now, you can also turn to GE to help create a safe environment for your patients, protect your facilities and secure your information systems. From the parking lot to the labor and delivery unit, security solutions from GE can help you create a welcoming—and secure—healthcare environment.**

## GE Security in action

### Integrated access control, video and intrusion relieve security challenges

With more than six million square feet encompassing multiple buildings, hundreds of doors, and thousands of doctors, nurses, students and support staff, a university medical center in the Northeast presented a major security challenge. Fortunately, security technologies from GE provided the perfect solution.

Today, an integrated access control system, using biometrics and proximity cards, works in concert with the medical center's existing intrusion alarms and video surveillance systems to provide maximum security with minimal invasiveness.

For instance, when the access control system detects an unauthorized access attempt, it automatically directs surveillance cameras to zoom in on the area, store the video on a digital recorder and tag it for easy retrieval. It also triggers an alarm at a security console, displays

live video and sends alerts via e-mail, cell phone or PDA to assigned personnel.

Finally, the medical center, by way of an integrated alarm protocol, also uses intelligent video technology to detect people in sensitive areas making sure restricted areas are not breached. Security staff noted, "We are gearing up to install an additional 75 cameras because what we have has worked so well."

### Intelligent fire detection prevents unwanted alarms

At a small, Midwestern community hospital, false alarms caused by an outdated fire detection system were a frequent problem that disrupted normal operations. And while the hospital needed to upgrade its life safety system, it was not looking forward to the associated disruptions and installation costs of having to rewire the entire facility.

GE addressed their concerns. By using intelligent multi-sensor detectors and multi-function modules that use existing wiring, retrofit installations were a snap. And since each device has its own on-board intelligence, they're smart enough to know what constitutes a valid alarm condition and what may be a maintenance alert. By interpreting information from multiple sources, the multi-sensor detector can distinguish between a harmless puff of dust and a wisp of smoke from an actual fire.

Finally, a series of intelligent, networked fire alarm control panels ties all of the devices together giving the facility a state-of-the-art, reliable life safety system for patients, staff and visitors.



# Complete solutions for your healthcare facility



**Video Surveillance**  
Video surveillance provides security coverage to more of your facility without increasing staff.

Integrated systems help detect and deter crime and provide clear records when there's an incident.

- Conventional, pan/tilt/zoom and discreet surveillance cameras
- Digital recorders
- Monitors
- IP-based networking
- System control
- Switchers
- Intelligent video



**Sound and Communication**  
GE communication systems help reduce response time and facility noise while increasing staff efficiency.

- Nurse call communications
- Wireless device integration
- Management report of call activity and staff response time



**Access Control**  
GE access control systems help protect all the security sensitive areas within your facility,

including labs, pharmacies and patient records storage.

- Access control software
- Photo ID credentials
- Biometrics-based key management
- Card readers/keypads/control panels
- Visitor management systems



**Fire**  
Network-ready control platforms combine support for intelligent or conventional detection

with multi-priority, peer-to-peer, token ring networks and multi-channel digital audio.

- Fire alarm systems
- Intelligent smoke detection
- Emergency notification signals
- Integrated graphical controls



**Intrusion**  
GE intrusion alarm systems are available in multiple configurations for both new installations

and retrofit applications.

- Alarm control panels
- Keypads/key fobs
- Motion/environmental/glass break sensors
- Magnetic contacts
- Intelligent programmable locks



**Trace Detection**  
With growing concerns over threats from chemical and biological agents, it's more important than

ever to take a proactive approach.

- Explosives detection
- Narcotics detection
- Substance identification

## Combining resources to make the most of your investment

As one of the world's most diverse and best performing global enterprises, GE offers multiple solutions for your healthcare facility needs. GE Industrial provides energy-efficient lighting, construction supplies and services, electrical switchboards and more. GE Energy provides high-reliability conditioned power systems, emergency power systems, engineering designs, studies and services. At the same time, GE Healthcare provides advanced medical technologies like medical imaging, clinical information systems, medical diagnostics and patient monitoring systems. GE Healthcare invests in disease research, drug discovery and biopharmaceuticals to help detect diseases earlier and tailor treatment to individual patients.

GE Commercial Finance also offers financial products and services to meet the unique requirements of the healthcare industry, all backed by the strength and AAA balance sheet of General Electric. Contact your GE representative for more information.



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## Healthcare security solutions from a company you can trust

GE Security spans the globe as a technological leader in the rapidly growing security and life safety industry—helping protect people and property around the world. For more than 25 years, we've been designing and manufacturing video surveillance, access control, intrusion detection, fire detection, explosives and narcotics detection, nurse call systems, and key control solutions.

GE continuously invests in research and development to improve current security technologies and create new ones. We also design backwards compatibility into our products so the latest innovations will work in tandem with established security technologies. Through technological excellence, superior quality and

an investment in bold, creative ideas, GE provides products and solutions that help make the world a safer place.

What's more, GE offers something that's hard to put a value on: the confidence that comes from working with one of the world's most respected companies, one that has been creating new technologies and making lives better for more than 110 years.

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