



As the largest provider of nurse call systems in New England, more than 130 hospitals and even more long-term care facilities rely on SIGNET to engineer solutions that reduce noise pollution, improve patient and employee satisfaction, enhance workflow and shorten staff response time.

Our product and system solutions are designed to meet the specific needs of each healthcare facility with cost-effective, state-of-the-art technology and personalized service programs.

#### **Nurse Call**

Swift, personalized response is a must when it comes to patients' needs. As a Rauland partner for more than 20 years, SIGNET offers the most technologically advanced and dependable nurse call equipment available, including the Responder®.

#### **Hand Hygiene**

Combining a real-time location system (RTLS)-enabled badge with a sensor-equipped hand-sanitizing dispenser, SIGNET's technology solution: captures 100% of hand hygiene compliance and noncompliance events 24/7; is deployable as a stand-alone solution or as part of an enterprise-wide platform; allows healthcare facilities to audit hand hygiene processes; and generates reports

demonstrating compliance to support Joint Commission requirements.

#### **Staff Duress**

Our technology solutions: instantly locate the specific employee under duress; enable an immediate response during a security emergency; fully integrate with easy-to-use, advanced and highly reliable software packages; and feature customizable settings.

#### **Equipment, Staff & Patient Tracking**

Used to provide immediate or real-time tracking and management of medical equipment, staff and patients, Real-time Location System (RTLS) technology has become an invaluable system for healthcare facilities. SIGNET's ability to integrate RTLS with other healthcare IT solutions and provide overall support/service enables facilities to improve workflow, reduce costs and increase clinical quality.

#### **Wireless GPS Clock Systems**

SIGNET's complete offering of Primex-, Rauland-, and Sapling- branded GPS synchronized timekeeping solutions makes it easier for your staff members to provide around-the-clock care to patients.

#### **Wireless Telephony**

Doctors, caregivers, and technicians stay connected using SIGNET wireless phone solutions. Calls are routed from nurse call instantly to the appropriate caregiver through Ascom and Spectralink wireless phones. Additionally, mobile alerts and priority messaging are displayed and prioritized in order of criticality.

#### **System Integration/Software**

SIGNET engineers design system integration approaches that utilize the latest technologies to help ensure caregivers have consistent access to vital information and knowledge in real-time.

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## Service

As products and systems become more technologically advanced, our valued clients can depend on SIGNET's in-house experts to support their individually tailored solutions. Leveraging our own factory-trained, Reprax/Vendormate credentialed personnel, SIGNET offers 24/7/365 on-site emergency response and VPN remote system diagnostic services to ensure no downtime, and provide peace of mind.

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## SIGNET CASE STUDY

# Spaulding Rehabilitation Hospital, Boston, Massachusetts

### Challenge

Spaulding Rehabilitation Hospital is a 150-bed specialty adult rehabilitation facility and an affiliate of Partners Healthcare. Built in the historic Charlestown Navy Yard, the hospital provides 260,000 sq. ft. at a construction cost of \$165 million.

Leading the nurse call selection process, Spaulding's CIO sought out a platform that was a true "integrator." The vision was to integrate Cisco wireless VoIP handsets, Globestar middleware, Meditech HL-7 medical information, hospital feature beds, and medical nurse call reporting software. A non-blocking/open system architecture was of paramount importance. The hospital desired a local systems integrator that completed this specialized work in other area hospitals. The Spaulding Rehab committee traveled to another Partners' affiliate (Faulkner Hospital) to experience a similar facility-wide implementation.

### Solution

SIGNET provided the Rauland Responder 5 VoIP Nurse Call platform, along with full system integration software suites and services. The solution is a large facility-wide integrated network of 150 patient rooms, including SIGNET-installed, LG brand 32" LED hospital grade televisions. The all-private rooms facility provided feature bed interface, medical equipment alarming, digital television integration, along with a patient station, code/staff assist, and workflow-enabled pillow speakers with three "direct" call buttons for pain, water and restroom. A 4-button bed management station was installed near each doorway, which initiates call processing cycles for pain re-assessment, "staff assist" and staff presence indicators signaling assigned Cisco wireless handsets.

SIGNET integrated Spaulding's Meditech HL-7/ADT medical information data feed into a large array of Rauland software suites, which reside on the Partners Healthcare local area computer network. They offer staff assignment/integration to Cisco wireless handsets, nurse call reports manager, and a PC console suite to integrate and display functions onto existing nurse station PC desktop displays, and "computers on wheels" carts. Approximately 100 Samsung/LG brand digital signage flat panel displays were provided and installed by SIGNET's A/V group.

SIGNET also provided the facility's life safety EST3 Fire Alarm System with Voice Evacuation capability. The system directly controls all building systems including dampers, fans, elevators and other ancillary systems. This highly complex life safety system was fully engineered by SIGNET's engineering group.

The Spaulding Rehabilitation Hospital construction project leveraged SIGNET's integration expertise to bring multiple disciplines and systems together for a more powerful end result.



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