

OPTIMIZED FIRE PROTECTION IN CRITICAL SPACES

A major Florida healthcare campus selects Connected Life Safety Services (CLSS) Horizon and Facility Manager mobile app to achieve next-generation fire protection



Honeywell

OVERVIEW

As part of one of the world's most respected medical organizations, this Jacksonville facility opened in April 2008. Offering more than 300 beds and 30 operating rooms, it brings inpatient and outpatient services together in one complex, allowing physicians, researchers and educators to offer care collaboratively in 35 medical and surgical specialties. The campus comprises more than 20 buildings, up to 10 miles apart, including four main patient care buildings, three research facilities, a dialysis center, a sleep center, a cyclotron and a radiochemistry lab.

THE CHALLENGE

Optimize remote visibility into complex life safety systems

When the facilities team decided it was time to upgrade the clinic's fire and life safety systems, they had to consider its unique needs. Besides the connectivity challenges posed by a large, geographically dispersed campus, it isn't feasible to evacuate an entire inpatient healthcare facility in response to an alarm. Not only are there patients connected to life support systems and monitoring devices, but some of the buildings have access control systems that limit entry to ICUs, labs and other specialized wings.

To provide optimal responsiveness in the face of these challenges, they installed an ONYXWorks workstation in their command center to field alarms to assess their validity and urgency before passing them to Jacksonville's first responders. The staff

is also responsible for routinely testing, inspecting and reporting on the condition of smoke detectors, fire alarm control panels, communicators and other alarm system components located throughout the campus.

Having assumed responsibility for monitoring their own life safety systems, the facilities team recognized the need to have an instant 'first look' at any alarm and be able to pinpoint its exact location across its sprawling campus. This would require wireless connectivity among an array of alarm panels, as well as scalability to accommodate anticipated acquisition of additional buildings. The team also felt the need to streamline the routine of testing, inspecting, and reporting on their alarm systems.

"The clinic looks to its on-site monitoring team as its first line of defense," said Christopher Higginbotham, design project manager at Life Safety Designs, Inc., retained by the clinic to select and install the new alarm system. "For this reason, we recommended the latest generation of digitally enabled monitoring solutions to give the team a new level of visibility into the campus's alarm networks. Since they've never had a problem with the performance of their existing NOTIFIER alarm panels and CLSS Gateway communicators, we advised them to go with Honeywell's newest technology, as it would likely interface best with their current infrastructure."

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CHRISTOPHER HIGGINBOTHAM
Design Project Manager
Life Safety Designs, Inc.



THE SOLUTION

Honeywell's CLSS Horizon and Facility Manager mobile app

The team ultimately selected CLSS Horizon by Honeywell, a new cloud-connected monitoring solution powered by the company's Connected Life Safety Services (CLSS) software platform. CLSS Horizon's intuitive graphical display presents a detailed yet comprehensive visualization of the entire network of life safety systems, seamlessly integrating data from NOTIFIER and third-party alarm panels. The solution generates real-time updates on system status, logging both system performance and operator responses to provide a comprehensive audit trail. Most importantly, CLSS Horizon's graphical interface allows personnel to quickly pinpoint, investigate and respond to alarm events – and thus determine more quickly whether first responders should be alerted and/or occupants evacuated.

In addition to CLSS Horizon, the team selected Honeywell's CLSS Facility Manager, a powerful mobile app that facilities staff upload onto their smartphones, allowing visibility into fire system alarms via push notifications. By providing them with on-the-go access, the app enables staff to check system status from any location and respond faster and more effectively. This can save precious minutes when it matters most – especially given the challenges posed by a complex, multistory inpatient healthcare campus.

If CLSS Horizon displays a trouble or maintenance alert, staff can troubleshoot the issue remotely with the Facility Manager app. If a technician needs to visit the building, the Facility Manager app enables them to diagnose and correct the problem from a distance. This capability is critical in a healthcare facility, where accessing inpatient care wings or restricted areas to reset a faulty smoke detector often requires prior authorization

and can cause disruptions. Eliminating these steps helps to streamline hospital operations, creating a seamless and efficient environment for patient care.

The facilities team plans to convert its entire campus to NOTIFIER panels and integrate them into the CLSS network. Those buildings that are not yet NOTIFIER-equipped – will receive the next-generation modular and expandable NOTIFIER INSPIRE™ panel. The NOTIFIER INSPIRE™ series supports Self-Test detectors which, when used with CLSS Compliance Manager, will automate the test and inspection process, allowing technicians to test detectors from a distance using the app rather than doing it manually with smoke and heat guns. They can then generate inspection reports digitally, meeting compliance requirements with the touch of a button.

ABOUT LIFE SAFETY DESIGNS INC.

Life Safety Designs Inc., which serves as the healthcare campus' agent for selection and installation of CLSS Horizon and Facility Manager by Honeywell, has installed fire alarm, paging and intercom systems in specific areas across the campus under numerous contracts. Founded in 1992 as a full-service contractor for low-voltage commercial electrical and fire protection systems, LSDI provides a comprehensive line of solutions to client facilities throughout Florida, Georgia and other Southeastern states.

Building Automation

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