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Case Study

KELTRON[®]

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New England Medical Center Alarm Monitoring Consolidation



Merging two independent hospitals and eliminating duplication of services presented a substantial challenge for the New England Medical Center of Central Massachusetts as the organization sought to combine Worcester Memorial and Hahnemann Hospitals.

The requirements - high performance at lower cost

There were two major requirements for the alarm monitoring phase of the project - eliminating the switchboard and telecom/security personnel at the Hahnemann campus and consolidating all communications, alarm monitoring and dispatch functions for both campuses at Worcester Memorial. The planned result would be increased efficiency with significant cost savings, without any interruption in mission-critical services.

New England Medical Center of Central Massachusetts selected the Keltron DMP703 alarm monitoring system because it was capable of simultaneously monitoring the campus' different types of existing alarm signals, integrating them into a single, easy-to-operate system.

The organization was looking for a UL-listed alarm monitoring system from an established and reliable manufacturer. The system needed to monitor both coded (McCulloh loop) as well as non-coded (contact closure) alarms and provide local annunciation, standalone operation when necessary, and dedicated, supervised and redundant phone lines to link both of the medical center's Hahnemann and Memorial campuses.

The solution - a flexible and efficient system

An independent engineering firm researched the market, developed an optimal solution, and presented New England Medical Center with a choice of systems from three manufacturers. They chose the Keltron DMP703 alarm monitoring system because it was the only system capable of simultaneously monitoring the many different types of existing alarm signals, integrating them into one, easy-to-operate system, and operating within the campus' remote/host configuration.

The unattended remote system at Hahnemann monitors both coded (McCulloh) and non-coded alarms which are displayed and printed locally and serially transmitted to the master monitor in Worcester Memorial's new telecommunications/security center. At the new center, alarms from both campuses are monitored, acknowledged, annunciated, and displayed on the built-in, field programmable screen. An integral printer delivers event-specific dispatch instructions.

The benefits - reliability, cost savings

The dependable Keltron alarm monitoring system ensures the New England Medical Center that in the rare situation that both telephone lines are inoperable, the alarm monitors at each site function independently with no loss of life safety response or tracking information. The system also ensures that if the operator's security information management system computer fails, the Keltron system provides redundant data files and history.

The Keltron system's capacity for accepting new alarm signals without system modification ensures New England Medical Center's future life safety management requirements. Keltron's systems provide a reliable, cost effective, and scalable solution for both present requirements and future expansion.

Keltron develops and manufactures dependable, UL listed life safety event management systems that improve fire and security incident response at multi-building facilities and municipalities. Unifying multiple brands of alarm panels and multiple alarm signaling technologies, Keltron's solutions provide an integrated system of alarm monitoring, dispatching and reporting. Made in the USA.

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