



## KROESCHELL PROJECT CASE STUDY:

# Building Automation System Installation at UIMC

### THE CHALLENGE:

University of Illinois Medical Center (UIMC) was making a major investment in the infrastructure of their hospital, and part of the remodel included new building automation controls. The original system was antiquated, dampers were missing and there were leaks in the pneumatic system. UIMC bid the work, and Kroeschell was selected to complete the controls portion of the large project.

### THE SOLUTION:

Kroeschell was selected to install controls because of our ability to provide turnkey solutions to the Chicago market, quick response time and our commitment to one-on-one integration with on-site engineers.

Kroeschell installed over 300 terminal units (VAV boxes and booster coils) and new controls for the following equipment:

- Four (4) air handling units
- Two (2) chillers
- Two (2) heat exchangers
- Ten (10) pumps

Alerton was the preferred control system for this project and was selected based on its functionality, performance and reliability. Additionally, Honeywell Tridium was selected for front-end graphics (the supervisory layer) because it can integrate various types of controls, incorporate alarms and trends and has graphics that are easily customized.

### THE RESULTS:

With the completion of the controls installation, UIMC's on-site engineers have data on every room in the hospital including operating, isolation, recover and patient rooms. Originally, engineers were required to inspect control issues room by room. Today, they can identify problems immediately with alarms that are sent directly to their pagers. When the pager notifies them of an alarm, the engineers now have the ability to easily access the system from three new locations on the campus. This allows them to quickly diagnose and promptly repair any problems.

UIMC's new system works more efficiently, saving energy and operating costs.



#### PROJECT OVERVIEW:

**Location:** Chicago, IL

**Project Scope:**

- Installed new Alerton controls, Honeywell Tridium front-end graphics and BAS integration for UIMC.

**Customer Profile:**

The University of Illinois Medical Center (UIMC) offers state-of-the-art facilities, cutting edge technology and drug therapies and a faculty of more than 4,000 world-renowned physicians and scientists. The Chicago campus is located in the heart of the world's largest medical district, just one mile west of the city's business center. UIMC is the largest medical school in the United States, with expenditures exceeding \$412 million. It consistently ranks in the top 50 U.S. institutions for research expenditures.

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# **K**ROESCHELL

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