CircuitSolver® A ThermOmegaTech® product

Project Case Study

St. Elizabeth Healthcare

1 Medical Village Dr. Edgewood, KY 41017

Installation Site Overview

St. Elizabeth Healthcare operates five facilities throughout Northern Kentucky, including *St. Elizabeth Healthcare Edgewood*, a state-of-the-art general medical and surgical facility. The Edgewood facility was voted the second-best hospital in the Cincinnati region and is up to 8 stories high in some wings.



The Opportunity

As a healthcare facility serving the larger Cincinnati metro area, there is a constant flow of patients, visitors, and medical personnel through *St. Elizabeth Healthcare Edgewood's* halls. Unfortunately, the hot water was not flowing quite so quickly. For years the hospital had dealt with an unreliable and unbalanced hot water supply. The domestic hot water system's hot water return runs were not operating correctly, leaving some of the hospital wings completely without hot water at times.

The Installation

To address the unreliable hot water supply, MarkCo Plumbing installed about 90 CircuitSolver® balancing valves in the facility. The CircuitSolver®s were installed at the end of each hot water branch in the system, replacing the manual balancing valves. These self-actuating, thermostatic recirculation valves automatically and continuously adjusted the flow to maintain the specified temperature at the end of each domestic hot water supply line. No manual balancing was required.

The Result

After the successful CircuitSolver® installation, *St. Elizabeth Healthcare Edgewood* now has access to an on demand hot water supply in all wings, on every floor, at every fixture. CircuitSolver® was able to automatically balance the system when engineers could not. Where manual balancing failed, CircuitSolver® delivers.