

MERCY HEALTH—LOURDES HOSPITAL

PADUCAH, KENTUCKY, UNITED STATES

INTRODUCTION

Mercy Health—Lourdes Hospital is a regional referral center for a wide geographic region that includes more than a dozen counties in western Kentucky, southern Illinois, southeast Missouri, and northwest Tennessee. Mercy Health—Lourdes offers a wide range of medical specialists and technologies typically found in much larger urban settings and has received numerous awards, including from the [American Heart Association](#), [American Stroke Association](#), [Centers for Medicare and Medicaid Services](#), and [American Academy of Sleep Medicine](#).

PROJECT DETAILS

[Automated Building Concepts, Inc.](#) installed a new Reliable Controls building automation system during a facility renovation project to upgrade all existing pneumatic and DDC technologies at [Mercy Health—Lourdes Hospital](#).

The new network architecture for the hospital consists of 158 MACH-ProAir, seven MACH-ProSys, four MACH-ProCom, eight MACH-Pro2, and three MACH-ProZone controllers, all of which control fan-coil units, flow monitors, critical room monitors, and several variable frequency drives. With the new system, facility managers can oversee and control all mechanical equipment at a glance.

Hospital employees and support staff access the building automation system with RC-WebView and RC-Studio software over a secure BACnet Virtual Private Network using RC-RemoteAccess. Nursing staff use a graphical interface to monitor all areas, including surgical suites, for code compliance and readiness. With RC-Archive and RC-Reporter, building managers have a robust, downloadable record of building performance data they can use to implement efficiencies and track energy use. With a powerful suite of software products from Reliable Controls, hospital managers can effectively oversee all aspects of facility operations and ensure occupant comfort.

The hospital team can rely on accurate reporting to present to compliance authorities as needed. The facility manager was instrumental in creating a library of RC-Reporter reports for code adherence, which made for a smooth installation with no impact to clients or staff. Reliable Controls and Automated Building Concepts, Inc. were pleased to be part of this upgrade to the building control system at Mercy Health—Lourdes Hospital.

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MARKET SEGMENT
Health care

PROJECT TYPE
Retrofit

INSTALLATION TYPE
HVAC

TOTAL AREA
57,600 m² (620,000 ft²)

PROTOCOL
BACnet, Modbus

INSTALLED EQUIPMENT
8 MACH-Pro2™ controllers
158 MACH-ProAir™ controllers
4 MACH-ProCom™ controllers
7 MACH-ProSys™ controllers
3 MACH-ProZone™ controllers
 RC-Archive® software
 RC-RemoteAccess® software
 RC-Reporter® software
 RC-Studio® software
 RC-WebView® software

TOTAL SYSTEM OBJECTS
2,640

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