

Authorized Dealer



CONTROL CONCEPTS OHIO

Market segment
Administration

Location
Fairlawn, Ohio, United States

Total area
2,787 m² (30,000 ft²)

Project type
Retrofit

Protocol
BACnet

Installation type
HVAC

Kingdom Title Solutions

Project Profile

Kingdom Title Solutions is a title insurance agency that offers residential and commercial services throughout Ohio. The company abides by five core values: creativity, stewardship, collaboration, accountability, and generosity.

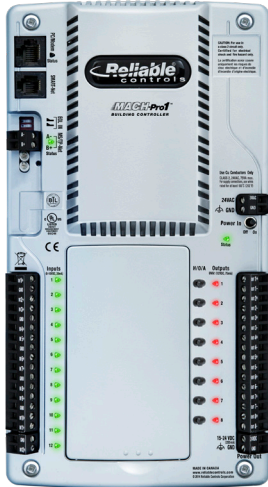


Authorized Dealer Control Concepts Ohio installed a Reliable Controls building automation system in the Kingdom Title Solutions office in Fairlawn that helps facility managers control energy consumption and optimize indoor air quality.

Total system objects

8,791

Installed equipment



2 MACH-Pro1™
controllers



1 MACH-ProWebCom™
controller



62 RC-FLEXair™
controllers



62 SMART-Sensor™
devices

Before the retrofit, poorly functioning variable air volume units caused temperature control issues. Control Concepts Ohio recommissioned all rooftop and variable air volume units to ensure proper operation, installing two MACH-Pro1 devices for monitoring and control.

A MACH-ProWebCom, a combination building controller, operator workstation, and web server, allows facility operators to conveniently access and control mechanical equipment over the internet. For variable air volume control, Control Concepts Ohio deployed 62 RC-FLEXair devices. With tons of nonvolatile memory, the RC-FLEXair has enough space to handle the most challenging applications.

Sixty-two SMART-Sensor devices distributed around the building allow building managers to connect with parameters like temperature, humidity, particulate matter, and volatile organic compounds.

Control Concepts Ohio used RC-Studio software to integrate mechanical equipment and optimize strategies for temperature control and energy efficiency. RC-Studio provides real-time fault detection and diagnostics, so building operators can resolve issues before they become a problem. And with the suite of diagnostic tools in RC-Toolkit software, Control Concepts Ohio was able to optimize network communications in the facility.

Installed software



As part of the retrofit, Control Concepts Ohio improved equipment scheduling and reset rooftop unit discharge air temperature and static levels, three initiatives that should provide significant energy savings for years to come.



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