![Reliable Controls logo]

Building Management Systems

Market segment
Administration

Location
Johnston, Iowa, United States

Total area
883 m² (9,500 ft²)

Project type
New Construction

Protocol
BACnet

Installation type
HVAC, lighting, Security

Building Management Systems and Setpoint Mechanical Solutions office

Project Profile

Building Management Systems, a Reliable Controls Authorized Dealer since 2019, is a building automation contractor that specializes in providing intelligent building automation systems to commercial clients. It shares a new office building in Johnston, Iowa, with Setpoint Mechanical, a leading HVAC solutions provider in the Midwest United States.


When it came to choosing a simple, flexible, sustainable automation solution for its new facility, Authorized Dealer Building Management Systems knew just where to turn: the products it usually installs for its clients. The Reliable Controls system provides comprehensive building management and control of HVAC, lighting, security, and more.

Total system objects
2,045

Integrated Equipment
Samsung variable refrigerant flow system, automatic blinds

Installed equipment
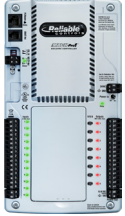
1 MACH-Pro2™ controller

2 MACH-CheckPoint™ controllers

2 MACH-ProCom™ controllers

13 MACH-ProLight™ controllers

Installed software

2 MACH-ProView™ LCD with Router controllers

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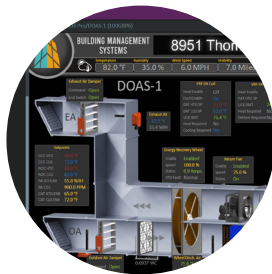**reliablecontrols.com/projects**

- HVAC equipment: Reliable Controls technology is used to operate a variable refrigerant flow system with 23 indoor units and three outdoor units, ensuring precise temperature control, as well as a dedicated outdoor air system unit that provides fresh air and optimizes indoor air quality.

- Lighting: The offices in the building are equipped with MACH-ProLight controllers integrated with automatic blinds. Building Management Systems programmed lighting strategies such as dimming and daylight harvesting to take advantage of natural light and empower energy savings.

- Security: MACH-CheckPoint controllers manage card access for exterior doors, enhancing security and access control throughout the facility.

- Centralized system access: Facility managers use RC-WebView software to efficiently manage the entire control system over the internet. The high-resolution graphical interfaces on two MACH-ProView LCD controllers allow users to choose from a selection of configurable views to display real-time data and edit object values on custom background images using text, graphics, and animations like buttons and sliders.

Building Management Systems also implemented two sandbox systems that allow its team to address, program, and test controllers in-house before they're installed at client sites.

The building automation system was designed with a focus on sustainability, a hallmark of Reliable Controls solutions. Integrating the building automation system with the variable refrigerant flow, lighting, and security systems empowered facility operators with precise control and the ability to optimize lighting, heating, and cooling based on real-time demand, occupancy, and environmental conditions. RC-WebView lets Building Management Systems proactively monitor energy use and system performance from anywhere at any time.

Building Management Systems rose to the challenge of implementing a complex automation system that integrated HVAC, lighting, and security, in part thanks to Reliable Controls software, including RC-Studio, RC-Toolkit, RC-Passport, and RC-RemoteAccess. Implementing effective lighting and automatic blind control required a customized approach to meet the unique needs to each office space.

The Reliable Controls building automation solution will help Building Management Systems achieve significant energy savings in years to come, exemplifying its commitment to sustainability and efficiency in the built environment.