

SALVATION ARMY COMMUNITY CENTER AND ADMINISTRATIVE OFFICES

BOISE, IDAHO, UNITED STATES

EDUCATION

OVERVIEW

The Salvation Army began offering services in Boise in 1888, 2 years before Idaho became a US state. The organization built a new multipurpose community center in the city in 2019 to house its school program for pregnant and parenting teens, child care center, auditorium/chapel, gymnasium, commercial kitchen/cafeteria, and administrative offices. The new facility offers education, recreation, arts, social, and spiritual programs for youth, adults, and older adults in an underserved neighborhood in West Boise. The Salvation Army has one agenda: to meet human need without discrimination.

PROJECT DETAILS

Reliable Controls Authorized Dealer Sunbelt Controls successfully installed a Reliable Controls system at the new Salvation Army facility in Boise.

A MACH-ProWebSys controller serves as the master building controller and web server. It hosts the variable air volume units throughout the building and exhaust fans, as well as the rooftop and air-handling units, via MS/TP. MACH-ProAir controllers and SMART-Sensor EPD devices manage the variable air volume terminals. Sunbelt installed a MACH-ProZone to control exhaust fans and other miscellaneous points, with expansion of inputs and outputs provided by MACH-ProPoint expansion modules. On the second floor, a MACH-ProSys provides utility monitoring and control of exhaust fans, hot water heaters, and variable frequency drives over BACnet MS/TP. The gym and community center are served by packaged rooftop units that building managers operate using MACH-ProZone controllers.

System data is logged and stored by RC-Archive, and local access to the system and database is provided by RC-Studio. The integrated web server in the MACH-ProWebSys allows operators to implement custom schedules, browse System Groups, and view trend logs for various zones in the building using any standard Internet browser. The gym and two-story front entrance utilize destratification fans as the first stage of heating; these fans are modulated as required to recirculate otherwise wasted warm air to the first floor.

Sunbelt Controls met the challenge of providing a quality building management system at a price point that was accessible for a non-profit organization. Community is one of Sunbelt's core values, and the organization took pride in delivering a robust and economical building management system for the Salvation Army.

To learn more about projects using Reliable Controls® visit www.reliablecontrols.com/projects/overview



PROJECT TYPE
New construction

TOTAL AREA
4,181 m² (45,000 ft²)

INSTALLATION TYPE
Boiler, HVAC, VAV, CO₂, water monitoring

EQUIPMENT INSTALLED
36 MACH-ProAir™ controllers
2 MACH-ProPoint™ expansion modules
1 MACH-ProSys™ controller
1 MACH-ProWebSys™ controller
8 MACH-ProZone™ controllers
2 SMART-Sensor™ LCD devices
47 SMART-Sensor EPD devices
5 SMART-Sensor EPD devices with CO₂ sensors
1 SMART-Space™ Controller
RC-Archive® software
RC-Studio® software

NETWORK
EIA-485, Ethernet

PROTOCOL
BACnet

BACNET
Daikin air-handling units, Laars boilers, boiler pump, ABB variable frequency drives

POINTS
350

RELIABLE CONTROLS AUTHORIZED DEALER
Sunbelt Controls, Idaho

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