SALVATION ARMY COMMUNITY CENTER AND ADMINISTRATIVE OFFICES

BOISE, IDAHO, UNITED STATES

INTRODUCTION

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, gym, commercial kitchen and 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 needs without discrimination.

PROJECT DETAILS

Authorized Dealer Sunbelt Controls Idaho installed a Reliable Controls building automation system during construction of the new Salvation Army facility in Boise.

A MACH-ProWebSys controller serves as the master building controller and web server. It hosts variable air volume units, exhaust fans, and rooftop 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 vans and other miscellaneous points, using MACH-ProPoint modules to expand input and output capabilities. 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 operators manage using additional MACH-ProZone controllers.

RC-Archive software logs and stores system data, and RC-Studio provides local access to the system and database. 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 over the internet. The gym and two-story front entrance use destratification fans as the first stage of heating; these fans are modulated to recirculate otherwise wasted warm air to the first floor.

Sunbelt Controls Idaho 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 was proud to deliver a robust and economical building management system for the Salvation Army.

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MARKET SEGMENT
Education, Administration, Recreation

PROJECT TYPE
New construction

INSTALLATION TYPE
HVAC

TOTAL AREA
4,181 m² (45,000 ft²)

PROTOCOL
BACnet

INSTALLED EQUIPMENT
36 MACH-ProAir™ controller
2 MACH-ProPoint™ expansion modules
1 MACH-ProSys™ controller
1 MACH-ProWebSys™ controller
8 MACH-ProZone™ controller
2 SMART-Sensor™ LCD devices
52 SMART-Sensor EPD devices
1 SMART-Space™ Controller device
RC-Archive® software
RC-Studio® software

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

TOTAL SYSTEM OBJECTS
350

RELIABLE CONTROLS AUTHORIZED DEALER

SUNBELT CONTROLS

BACnet

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