

MP SERVICE HEAD OFFICE

SAN SALVADOR, EL SALVADOR

CORPORATE

OVERVIEW

MP Service is a mechanical engineering and controls contractor in San Salvador with a focus on heating, ventilation, and air conditioning. The company has been a Reliable Controls Authorized Dealer and valued partner since 2002 and is an enthusiast of the green building initiatives promoted by the U.S. Green Building Council. With the goal of demonstrating that sustainable buildings are possible in El Salvador, MP Service purchased and transformed a new head office building using an integrative design process. An in-house team of engineers and architects devised and constructed the new HVAC, lighting, and electrical systems.

PROJECT DETAILS

Reliable Controls Authorized Dealer MP Service installed a MACH-System™ at its new headquarters, the first LEED Platinum-certified building in El Salvador and currently the highest-rated LEED project in Central America.

MP Service integrated a MACH-ProWebCom into the building's local area network to communicate with the MACH-System and all third-party devices. Twenty-six MACH-ProZone controllers are distributed throughout the facility, connected via BACnet MS/TP. Building operators use RC-Studio to control ventilation, exhaust, and a chilled water plant networked with fan-coil units via BACnet/IP.

Forty-eight SPACE-Sensor devices measure temperature, humidity, CO₂, and volatile organic compounds and allow MP Service to maintain a healthy indoor air environment. Building managers rely on occupancy sensors and RC-Studio scheduling to ensure the system operates at peak efficiency.

Additionally, MP Service installed a MACH-ProCom to program a third-party lighting system, a MACH-ProView with a humidity sensor controls data center conditions, and RC-Archive collects information about light fixture status, illuminance levels, and power consumption. A third-party meter monitors voltage, current, and other electrical parameters for both the external power supply and MP Service's own solar power plant. To improve efficiency, building operators extract actionable intelligence from collected building data using RC-Reporter.

MP Service is proud to achieve energy savings of approximately 50,000 kW/hr per year with its new building. The simplicity and effectiveness of the Reliable Controls MACH-System enabled MP Service to realize a 91-point LEED rating for Platinum certification.

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www.reliablecontrols.com/projects/overview



PROJECT TYPE

Retrofit

TOTAL AREA

6,996.5 ft² (650 m²)

INSTALLATION TYPE

Chiller, CO₂ monitoring, fan coil unit, HVAC, lighting, power, water monitoring

EQUIPMENT INSTALLED

1 MACH-ProCom™ controller
1 MACH-ProView™ controller
1 MACH-ProWebCom™ controller
26 MACH-ProZone™ controllers
48 SPACE-Sensor™ devices
RC-Archive®
RC-Reporter®
RC-Studio®

NETWORK

EIA-485, Ethernet, B/VPN

PROTOCOL

BACnet, proprietary gateway, Modbus
BACNET
Loytec L-DALI lighting control system,
DENT PowerScout, Danfoss variable
frequency drive, York chiller

POINTS

100 hard points, 900 soft points

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MP Service



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