

EL SALVADOR INTERNATIONAL AIRPORT 2021

SAN LUIS TALPA, LA PAZ, EL SALVADOR

OVERVIEW

El Salvador International Airport, operational since 1980, is the third busiest airport in Central America and serves the San Salvador region. In July 2018 the Autonomous Executive Port Commission (CEPA), responsible for the infrastructure of ports, airports, and railways in El Salvador, began a 20-year modernization and expansion project that will increase the airport's capacity from 1.6 million passengers a year to 6.6 million in 2032 and triple its cargo capacity over the next two decades.

PROJECT DETAILS

As part of the first phase of the expansion, Reliable Controls Authorized Dealer [MP Service](#) upgraded the airport's Reliable Controls building automation system. MP Service installed seven MACH-ProWebCom and five MACH-ProCom controllers that connect larger mechanical equipment to the building automation system using BACnet/IP. The MACH-ProWebCom devices conveniently allow facility operators to access and control mechanical and electrical equipment over the internet using a browser user interface. In the subnets of these master devices are 46 MACH-ProZone controllers, each with eight inputs and eight outputs; two MACH-ProView LCD controllers; and numerous third-party devices, all of which control 20 chillers, 52 water pumps, four cooling towers, 17 fresh-air units, 19 variable refrigerant flow systems, 21 air-handling units, and more than a dozen variable air volume devices.

The flexibility of RC-Studio software allowed MP Service to integrate more than 80 previously installed third-party devices with Reliable Controls controllers. With RC-Archive software, building data logs are continuously downloaded to an industry-standard SQL database, delivering a robust record of building performance. Today, RC-Reporter provides facility operators with actionable insights to improve operational efficiency with readable, reliable reports.

The original Reliable Controls building automation system had been in operation for nearly 10 years without a single failure, said Federico Anliker Lopez, CEPA president. The project team faced several challenges during the upgrade, including the COVID-19 pandemic and integration with new technologies. But since the retrofit, MP Service is pleased to note that the building automation system has provided an energy savings of 7 percent.

MP Service has been an outstanding Reliable Controls Authorized Dealer since 2002. "The 19-year journey has been incredible," says Carlos Moreno Portillo, CEO of MP Service. "We are convinced that Reliable Controls represents a great brand that does things differently, and that is where the greatest value lies. Projects like the El Salvador International Airport are not executed every day, and we hope to continue growing and bringing development to the country of El Salvador."

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MARKET SEGMENT

Transportation

PROJECT TYPE

Retrofit

INSTALLATION TYPE

HVAC, lighting

TOTAL AREA

48,600 m² (523,126 ft²)

PROTOCOL

BACnet

INTEGRATED EQUIPMENT

Delta Controls, Johnson Controls, Siemens, York

INSTALLED EQUIPMENT

5 MACH-ProCom™ controllers

1 MACH-ProView™ LCD controller

1 MACH-ProView LCD Operator Display controller

7 MACH-ProWebCom™ controllers

46 MACH-ProZone™ 88-C controllers

RC-Archive® software

RC-Studio® software

RC-Reporter® software

TOTAL SYSTEM OBJECTS

3,500

RELIABLE CONTROLS
AUTHORIZED DEALER

