

PUBLIC MINISTRY OF COLÓN

PUERTO ESCONDIDO, COLÓN, PANAMA

INTRODUCTION

Situated about 50 miles northwest of Panama City, Colón is the capital of the Colón province and the northern gateway to the Panama Canal. Colón was founded by the United States in 1850 as the Atlantic terminal of the Panama Railroad, then under construction to meet demand during the California Gold Rush for a fast route to California. Today the main attraction for visitors is the Colón Free Zone, the largest free port in the Americas.

The office of the Public Ministry in Colón defends government interests, supervises public officials, and fosters the enforcement of laws, judicial decisions, and administrative orders.

PROJECT DETAILS

Reliable Controls Authorized Dealer [COPANAC](#) outfitted the new Public Ministry building in Colón with a complete building automation system.

A MACH-ProWebCom controller, with its powerful built-in web server, provides a user interface to the system and connects all field controllers via BACnet MS/TP.

A MACH-Pro2 controller expanded with a MACH-ProPoint Input/Output module controls a chilled water plant that serves eight air-handling units and six fan-coil units throughout the building. COPANAC installed MACH-ProZone controllers to operate other air-handling units and 15 SMART-Space Controller devices for fan-coil unit control. MACH-ProZone controllers are also used to continuously monitor carbon monoxide levels in the basement parking garage.

The Reliable Controls system integrates well with third-party chillers and variable frequency drives to provide control for start-stop applications, sequencing, scheduling, and alarming.

This project was COPANAC's first using Reliable Controls. The simplicity of the system made for a pleasant, efficient experience.

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MARKET SEGMENT

Government

PROJECT TYPE

New construction

TOTAL AREA

7,500 m² (80,729 ft²)

INSTALLATION TYPES

Chiller, fan coil unit, HVAC

EQUIPMENT INSTALLED

1 MACH-Pro2™ controller

1 MACH-ProPoint™ Input/Output expansion module

1 MACH-ProWebCom™ controller

10 MACH-ProZone™ controllers

15 SMART-Space Controller devices

NETWORK

EIA-485, Ethernet

PROTOCOL

BACnet

BACNET

Chilled water plant, Trane chillers, Danfoss variable frequency drives

TOTAL SYSTEM OBJECTS

1,111

RELIABLE CONTROLS AUTHORIZED DEALER

COPANAC
Tenemos el aire... y el servicio

ASHRAE **BACnet**