

OFICINAS EN EL PARQUE

MONTERREY, MEXICO

INTRODUCTION

Known as *Torres Moradas* due to their distinctive purple color, the *Oficinas en el Parque* are two towering steel-and-glass skyscrapers surrounded by landscaped grounds in Monterrey, the capital and largest city of Nuevo León. Both towers have five underground parking levels; Tower 1 has 24 floors, and Tower 2 has 28 floors. The *Oficinas en el Parque* have views of the Sierra Madre mountains and the Puente de la Unidad suspension bridge.

PROJECT DETAILS

Authorized Dealer VIMAU installed a Reliable Controls building automation system during a retrofit of the *Oficinas en el Parque*.

The Reliable Controls system in each tower consists of a dedicated MACH-ProWebCom controller that provides facility operators with an operator interface for easy control. Each building is cooled by a dedicated variable-flow chilled water plant integrated via BACnet MS/TP. Building managers use MACH-ProSys (Tower 1) and MACH-Pro2 (Tower 2) controllers expanded with MACH-ProPoint modules to operate the chiller plants and serve distributed air-handling units. This integration allows for stop-start sequences, setpoint control, capacity control, and operation monitoring. Dozens of MACH-ProZone and MACH-ProAir controllers are networked throughout the buildings to control air-handling units and variable-air-volume boxes. All field controllers are connected to the main controller in each tower via BACnet MS/TP.

Security is important in the *Oficinas en el Parque*; using RC-RemoteAccess software, VIMAU deployed a flexible, secure BACnet Virtual Private Network.

The buildings were fully operational during the retrofit, which VIMAU completed in less than 2 weeks.

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MARKET SEGMENT

Administration

PROJECT TYPE

Retrofit

INSTALLATION TYPE

HVAC

TOTAL AREA

76,000 m² (818,057 ft²)

PROTOCOL

BACnet

EQUIPMENT INSTALLED

1 MACH-Pro2™ controller
42 MACH-ProAir™ controllers
3 MACH-ProPoint™ expansion modules
1 MACH-ProSys™ controller
3 MACH-ProWebCom™ controllers
46 MACH-ProZone™ controllers
RC-RemoteAccess® software

INTEGRATED EQUIPMENT

Dual chiller plant, air handling units, variable frequency drives, variable-air-volume unit

TOTAL SYSTEM OBJECTS

5,000

RELIABLE CONTROLS AUTHORIZED DEALER

