

VIETTEL COMPLEX

HO CHI MINH CITY, VIETNAM

INTRODUCTION

The Viettel Complex is the largest office facility in District 10 and surrounding area in Ho Chi Minh City, Vietnam. Comfortably, thoughtfully designed offices provide tenants with a dynamic and creative work environment. Designed to the standard of a Class B office building, the complex has two towers, 28 floors with city views, and three basement parking zones with space for 2,550 bikes and 205 cars. [Viettel Group](#) is a Vietnamese multinational technology company [headquartered in Hanoi](#) with over 330 million subscribers in 13 countries across Asia, America, and Africa.

PROJECT DETAILS

Using Reliable Controls hardware and software, Authorized Dealer BASS Solutions & Services implemented a building automation system in the Viettel Complex to control seven chiller systems integrated using BACnet MS/TP. A third-party lighting system and variable frequency drives are integrated using Modbus.

The Viettel Complex has a mixed mechanical system with each tower cooled by a dedicated variable-flow chilled water plant that supplies six primary air-handling units and more than 1,100 fan-coil units. Four generators and hundreds of power meters are integrated with the system. BASS Solutions & Services recognized that a fully optimized building control system with Reliable Controls SMART-Sensor devices was critical to achieving occupant comfort and good indoor-air quality.

Building managers use RC-Studio, RC-WebView, and RC-Toolkit software to program and control hundreds of MACH-Pro1, MACH-ProZone, MACH-ProWebSys, MACH-ProCom, and MACH-ProWebCom controllers expanded with MACH-ProPoint modules. RC-Archive provides a robust record of building performance.

BASS Solutions & Services is pleased with the outcome of this extensive building management system, made possible with simple, flexible, sustainable solutions from Reliable Controls.

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MARKET SEGMENT

Corporate

PROJECT TYPE

New construction

INSTALLATION TYPE

HVAC, lighting

TOTAL AREA

112,000 m² (1,205,558 ft²)

PROTOCOL

BACnet, Modbus

EQUIPMENT INSTALLED

- 159 MACH-Pro1™ controllers
- 17 MACH-ProCom™ controllers
- 52 MACH-ProPoint™ Input expansion modules
- 67 MACH-ProPoint™ Input/Output expansion modules
- 14 MACH-ProPoint Output expansion modules
- 79 MACH-ProSys™ controllers
- 5 MACH-ProView™ LCD controllers
- 15 MACH-ProZone™ 44-C controllers
- 395 MACH-ProZone 88-C controllers
- 2 MACH-ProWebCom™ controllers
- 344 SMART-Sensor™ EPD devices
- 2 SMART-Sensor EPD devices with CO₂ and humidity sensors
- 761 SMART-Sensor™ LCD devices
- RC-Archive®, RC-Studio®, RC-Toolkit®, and RC-WebView® software

INTEGRATED EQUIPMENT

ABB variable frequency drives

TOTAL SYSTEM OBJECTS

11,000

RELIABLE CONTROLS AUTHORIZED DEALER



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