

VIETTEL COMPLEX

HO CHI MINH CITY, VIETNAM



CORPORATE/RETAIL

OVERVIEW

The Viettel Complex is the largest office complex in District 10 and the surrounding area in Ho Chi Minh City, Vietnam. Comfortable, 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.

PROJECT DETAILS

Using Reliable Controls hardware and software, Authorized Dealer B.A.S.S. implemented a building automation system in the Viettel Complex to control seven chiller systems integrated via BACnet MS/TP, and a third-party lighting system and variable frequency drives via Modbus integration.

The Viettel Complex uses a mixed mechanical system with each building 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. B.A.S.S. 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 to program and access MACH-Pro1, MACH-ProZone, MACH-ProSys, MACH-ProView, MACH-ProCom, and MACH-ProWebCom controllers with MACH-ProPoint expansion modules. RC-Archive provides a robust record of building performance.

B.A.S.S. is pleased with the outcome of this extensive building management system, made possible with the use of flexible, easy-to-use software and hardware from Reliable Controls.



PROJECT TYPE

New construction

TOTAL AREA

112,000 m² (1,205,558 ft²)

INSTALLATION TYPE

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

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

NETWORK

EIA-485, Ethernet

PROTOCOL

BACnet, Modbus

BACNET

ABB variable frequency drives

POINTS

11,000 points

RELIABLE CONTROLS AUTHORIZED DEALER



To learn more about projects using Reliable Controls, visit reliablecontrols.com/projects/overview

