

# VIETTEL GROUP HEAD OFFICE

HANOI, VIETNAM

**Reliable**<sup>®</sup>  
controls

CORPORATE

## OVERVIEW

*Viettel Group is a Vietnamese multinational technology company with over 330 million customers in 13 countries across Asia, America, and Africa. Winner of the Asia Pacific International Property Awards in 2019, the company's LEED Silver-certified headquarters in Hanoi integrates workplace and landscape features with interconnected floor spaces, a rainwater harvesting system, abundant natural light, and an expansive green roof.*

## PROJECT DETAILS

Reliable Controls Authorized Dealer B.A.S.S successfully implemented a sustainable building automation system in Viettel Group's new headquarters. The project is one of only a few in Vietnam to receive LEED certification.

B.A.S.S. installed MACH-ProAir, MACH-ProCom, MACH-ProSys, and MACH-ProZone controllers, along with MACH-ProPoint expansion modules to control chiller plants, air-handling units, fan-coil units, variable air volume boxes, a sophisticated heat-pump system, three generators, and hundreds of power meters networked over BACnet/IP. SMART-Sensor devices provide air-quality measurement and occupancy control.

Building operators use RC-WebView to easily access and control the building automation system and monitor energy efficiency. RC-Archive software makes it easy for facility managers to retrieve historical data that informs daily operational decisions and sequences of control.

Nearly 100 percent of rainwater to the building is collected and used for cooling, landscaping, and sanitation. B.A.S.S. implemented a variety of strategies to optimize building performance for energy efficiency, operating costs, and indoor air quality.

Reliable Controls and B.A.S.S. are excited to be part of this impressive project with Viettel Group.



### PROJECT TYPE

**New construction**

### TOTAL AREA

**23,710 m<sup>2</sup> (255,212 ft<sup>2</sup>)**

### INSTALLATION TYPE

**Boiler, chiller, CO<sub>2</sub> monitoring, fan-coil unit, HVAC, power, variable air volume**

### EQUIPMENT INSTALLED

**179 MACH-ProAir™ 12-A-F controllers**  
**39 MACH-ProCom™ controllers**  
**94 MACH-ProPoint™ Input expansion modules**  
**28 MACH-ProPoint™ Output expansion modules**  
**4 MACH-ProSys™ controllers**  
**39 MACH-ProZone™ 44-C controllers**  
**290 MACH-ProZone 48-C controllers**  
**328 SMART-Sensor™ EPD devices**  
**328 SMART-Sensor EPD devices with CO<sub>2</sub> sensors**  
**RC-Archive® software**  
**RC-WebView® software**

### NETWORK

**EIA-485, Ethernet**

### PROTOCOL

**BACnet, Modbus**

### BACNET

**Generators, power meters**

### POINTS

**5,000 points**

### RELIABLE CONTROLS AUTHORIZED DEALER

**BASS**  
Solutions & Services

BACnet

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