

SMART & GREEN BUILDING SOLUTION



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Smart and Green solution is becoming an essential part of our lives these days whether we are at home, in the office, or in the community. Mitsubishi Electric's integrated product portfolio provides one-stop smart green solution for buildings from residence, commercial to public facilities. By capitalizing on Mitsubishi Electric's technological advancement, our products are highly energy efficient, reliable in monitoring control, efficient in system operation, easy maintenance and lower cost while achieving the high level of performance and productivity. Meanwhile, the smart connectivity of the products through a smart device can certainly facilitate the access and use of real-time data for various applications. With the smart and green solutions, it helps both business and public sectors to thrive and progress into a more sustainable and higher efficiency environment.

ONE MITSUBISHI ELECTRIC

INTEGRATION OF SYSTEMS & EQUIPMENT FOR BUILDINGS

- Air Conditioning & Ventilation Systems
- Factory Automation Systems
- Visual Information Systems
- Elevators & Escalators

Variable Refrigerant Flow
(VRF) Air Conditioner



Inverters
(Variable Frequency Drives)
- FREQROL 800 series



Elevator
(Destination Oriented
Allocation System)



Large-scale
Video Display



Programmable Logic
Controllers
- MELSEC series



SCADA Software -
ICONICS GENESIS64



Low-voltage
Circuit Breaker
- WS series



Energy-saving
Data Collecting Server
- EcoWeb Server III



Air Conducting Fan



AUTOMATING EXISTING BUILDINGS

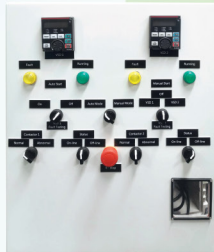
Advanced Electrical Management System (PQEMS)

The existing ACB/MCCB/MCB panel can be modified with an IIoT platform to optimize power system stability and management, leading to energy savings.



Advanced Pump / HVAC Panel

Commonly used in water pumps and HVAC systems, Mitsubishi Electric's VFD has a built-in PLC function allowing programming control logic and replacing traditional electrical relays.



Advanced Elevator Monitoring System

The majority of elevators are equipped with standalone information systems. However, Mitsubishi Electric PLC offers a single-platform monitoring solution that gathers and consolidates elevator data from across IoT systems.



AUTOMATION

Inverters (Variable Frequency Drives) – FREQROL 800 series

VFDs are designed to flexibly change the rotation speed of a motor. The device provides optimum control and energy conservation. Each inverter has a built-in PLC for customization, which gives a better and smarter results of an energy efficient building.



Programmable Logic Controllers – MELSEC series

MELSEC Series PLC comes with a multiple CPU function. It is capable of meeting the system demands and configurations through prospective control system. This product enhances efficiency in machine operation, increases productivity and ensures effective use of energy management capabilities.



SCADA Software – ICONICS GENESIS64

SCADA Software – ICONICS GENESIS64 integrates with SCADA and automation products to realize a high-level monitoring control system for supporting efficient building management systems. The software supports a wide range of automation products by contributing solutions through visualization, analysis and improvement.



Energy-saving Data Collecting Server – EcoWeb Server III

The EcoWeb Server is an electricity data server, performs as an energy-saving equipment, leading to energy-saving by management. This product provides Visualization, Target Value Management and Demand Control functions. It can connect to automation systems to achieve the Industrial 4.0 in BMS.



Low-voltage Circuit Breaker – WS series

LV Circuit Breaker provides higher breaking capacity and superior performance that fulfills every customer's needs. When connected to a network device, such as a Smart Power System, the users can easily access the power data through IoT and AI.

ELEVATORS & ESCALATORS



Elevator (Destination Oriented Allocation System)



Featuring “Destination Oriented Allocation System” (DOAS), the commuters register their destination floor before entering the elevator, eliminating the need to press the button inside the car. Dispersing the passengers through DOAS prevents congestion in cars and improves traffic efficiency.

AIR CONDITIONING & VENTILATION SYSTEMS



Variable Refrigerant Flow (VRF) Air Conditioner

The CITY MULTI Variable Refrigerant Flow (VRF) system offers a flexible cooling and heating solution, designed for a broad range of commercial building applications. Inverter compressor technology delivers exceptional efficiency and energy savings, while the sophisticated design complements almost any interior style.

Air Conducting Fan

ACF is used as an auxiliary equipment to guide the flows of exhaust gas, and to improve the efficiency of HVAC in large spaces. Its unique, innovative ductless system concept that realizes clean spaces, and achieves precise temperature control.



VISUAL INFORMATION SYSTEMS

Large-scale Video Display

The Large-scale Video Display is customizable to meet various site requirements or to create unique shapes and signature installations; various cabinet types from standard, thin, ultra-lightweight to tailor-made cabinets for corners and curves. There are solutions for any demands to support High-Definition HD, HDR, 4K, 8K, and beyond.





Learn more about us!



mitsubishi electric (hong kong) limited