

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.



○ Air Conditioning & Ventilation Systems

○ Factory Automation Systems

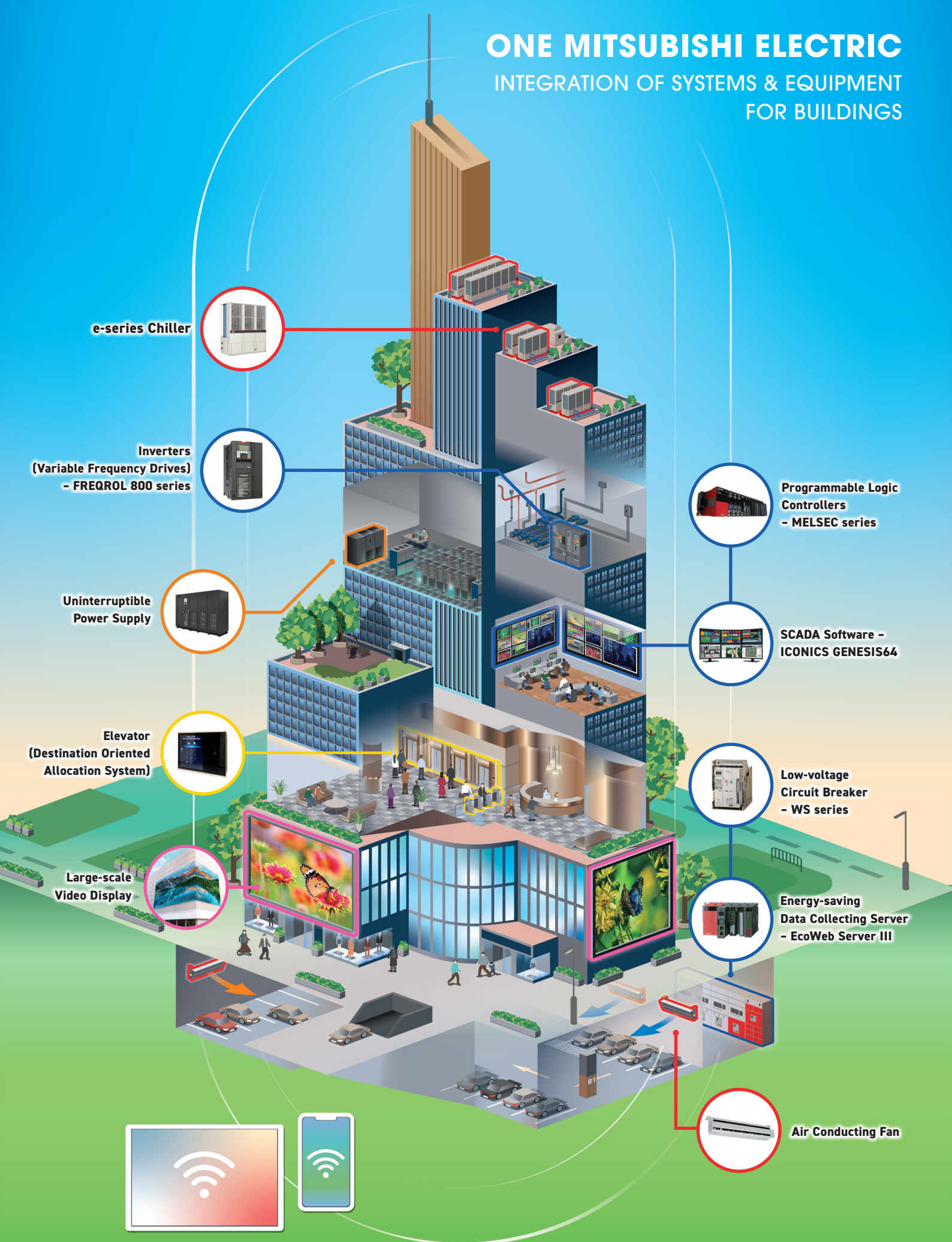
○ Visual Information Systems

○ Elevators & Escalators

○ Public Systems

ONE MITSUBISHI ELECTRIC

INTEGRATION OF SYSTEMS & EQUIPMENT FOR BUILDINGS



AIR CONDITIONING & VENTILATION SYSTEMS



e-series Chiller

The e-series Chiller delivers controlled cooling to buildings with the use of innovative, energy efficient, heat pump technology. The new generation of e-series Chiller goes into modular design; each module provides two high-efficiency inverter scroll compressors that can operate efficiently according to the load. The high functionality of e-series Chiller can be connected up to 6 units, its compact and thin body suit for narrow space installation.

Air Conducting Fan

The Air Conducting Fan (ACF) is used as an auxiliary equipment for ventilators and air-conditioners to guide the flows of exhaust gas in the carpark, and to improve the efficiency of the ventilation and air-conditioning in large spaces. ACF utilizes the innovative ductless system concept that realizes clean spaces, as well as achieves precise temperature control through its very high level transfer capacity.



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.

PUBLIC SYSTEMS



Uninterruptible Power Supply

Uninterruptible Power Supply (UPS) is functioned to protect mission-critical data centres and equipment during times of power instability in buildings with “Diamond Eco Drive” technology, the UPS automatically controls the operative unit quantity of parallel system according to the load percentage. System’s operation efficiency can be increased at low loads which can achieve reduction in energy loss, and realize energy saving & environmental protection.



FACTORY AUTOMATION SYSTEMS



Inverters (Variable Frequency Drives) — FREQROL 800 series

Variable frequency power supply units are designed to easily and flexibly change the rotation speed of an induction motor. The device provides high-performance, highly efficient control and energy conservation, making it an environmentally friendly product. Each inverter is installed with a programmable controller for customization, which connects to the BMS system for a better and smarter results of an energy efficient building.

Programmable Logic Controllers — MELSEC series

MELSEC Series PLC comes with a multiple CPU function that allows multiple CPUs to be mounted simultaneously. It is capable of meeting the system demands and configurations through prospective control system that are suitable for a wide range of lineups of PLCs and network systems. 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* can integrate with SCADA and automation products to realize a high-level functional monitoring control system for supporting efficient plant operations and building management systems. The software supports a wide range of factory automation products by contributing solutions through visualization, analysis and improvement.





Low-voltage Circuit Breaker — WS series

Mitsubishi Electric's Low-voltage Circuit Breaker provides higher breaking capacity and superior performance that fulfills customer's needs. It is designed for easy use, easy to install accessories and compliance with international standards. When connected to a network device, such as a Smart Power System, the users can easily access the power data through IoT and AI.

Energy-saving Data Collecting Server — EcoWeb Server III

The EcoWeb Server is an electricity data collection server, performs as an energy-saving equipment that records, displays, measures and monitors the quantity of electricity consumption by devices, leading to energy-saving by management. This product provides Visualization, Target Value Management and Demand Control functions. It can also connect to preventive devices and automation systems to achieve the Industrial 4.0 in BMS System.



ELEVATORS & ESCALATORS



Elevator (Destination Oriented Allocation System)

Featuring "Destination Oriented Allocation System" (DOAS), the commuters register their destination floor using a hall operating panel before entering the elevator, eliminating the time and need to press the button inside the car. Dispersing the passengers through DOAS prevents congestion in cars and shortens waiting and travel time.





CREATING A SMARTER AND GREENER CITY



Learn More Here!

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