






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

e-series Chiller



Inverters - FREQROL/
Variable Frequency Drives



PFD Close Control System



Uninterruptible
Power Supply



Elevator
(Destination Oriented
Allocation System)



Diamond Vision®
(Large LED Screen)



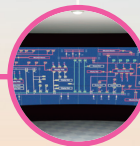
Programmable Logic
Controllers - MELSEC



SCADA MC Works 64



LED Display Wall
(Narrow Pixel Pitch
Direct View)



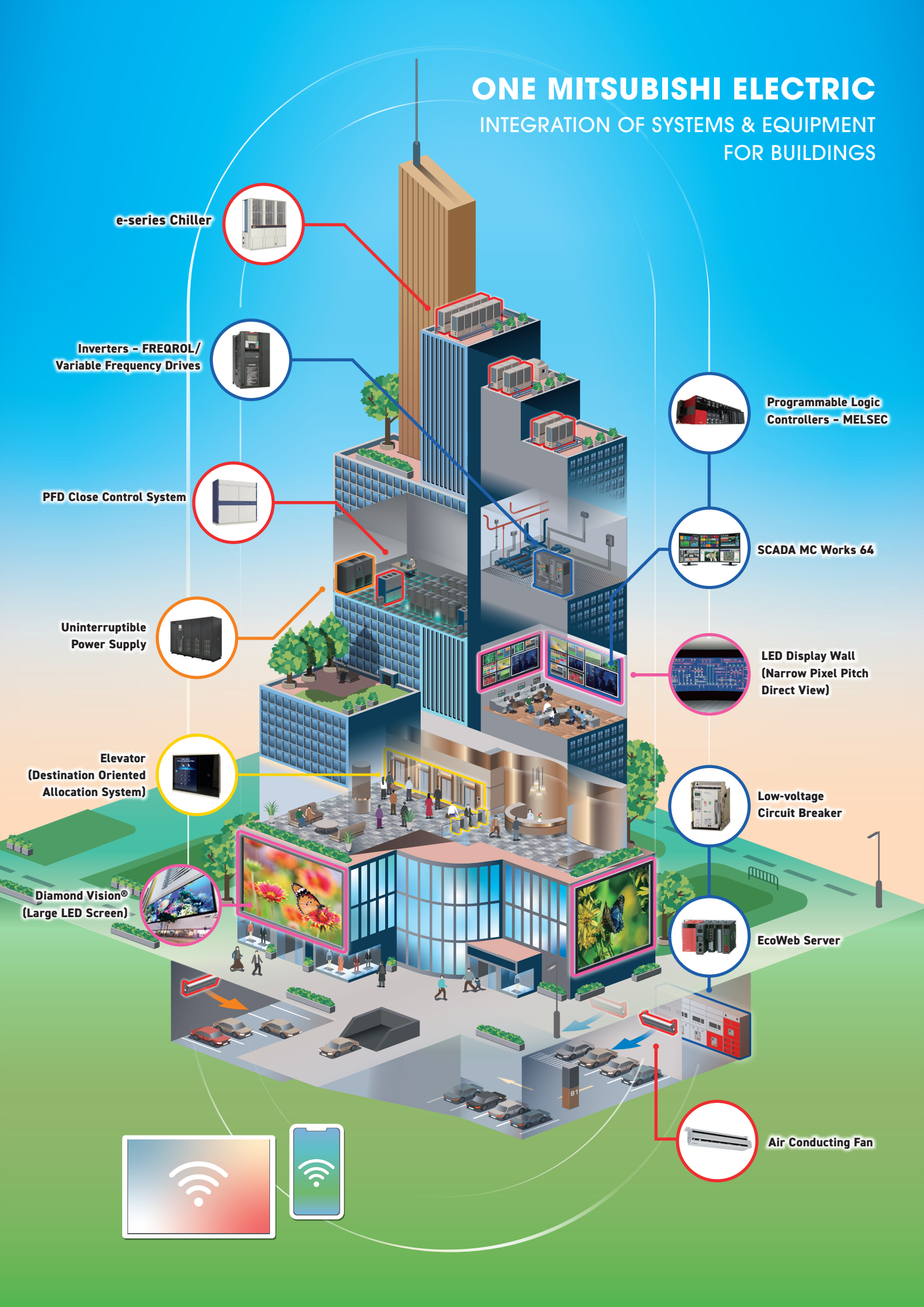
Low-voltage
Circuit Breaker



EcoWeb Server



Air Conducting Fan



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.

PFD Close Control System

PFD series is specifically designed for computer rooms, laboratories and any environment where strict control of humidity and temperature is a must. By adopting high-capacity reluctance DC motor driven compressor, this device leads to reduction of power consumption and excessive dehumidification.



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

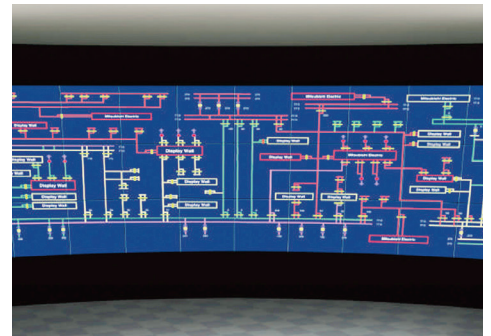


Diamond Vision® (Large LED Screen)

With Mitsubishi Electric's exclusive "Real Black™ LED" Technology and combining with the 3-in-1 RGB LED pixel arrangement, Diamond Vision® delivers superb high contrast and vibrant LED display. Customized modular design, light-weighted modules, high robust performance, Diamond Vision® provides a lot of flexibility and easiness to install as digital display suitable for out-of-home media advertising, building facade and rooftop signage applications.

LED Display Wall (Narrow Pixel Pitch Direct View)

The large format display walls for control room, corporate and public display applications use Mitsubishi original technology to deliver very clear images. In addition to the outstanding brightness and picture quality, these systems combine high reliability and easy maintenance to deliver a smooth flow of information for 24/7 continuous operation environments.



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 FREQROL/Variable Frequency Drives

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

MELSEC Series PLCs 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 MC Works 64

MC Works 64 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

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.

EcoWeb Server

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.

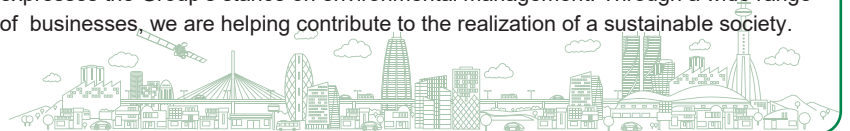


CREATING A SMARTER AND GREENER CITY



for a greener tomorrow

Eco Changes is the Mitsubishi Electric Group's environmental statement, and expresses the Group's stance on environmental management. Through a wide range of businesses, we are helping contribute to the realization of a sustainable society.



MITSUBISHI ELECTRIC (HONG KONG) LIMITED
MITSUBISHI ELEVATOR HONG KONG COMPANY LIMITED
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