

MITSUBISHI ELECTRIC CORPORATION
PUBLIC RELATIONS DIVISION
 7-3, Marunouchi 2-chome, Chiyoda-ku, Tokyo, 100-8310 Japan

FOR IMMEDIATE RELEASE

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Customer Inquiries

Media Inquiries

Information Technology R&D Center
 Mitsubishi Electric Corporation
www.MitsubishiElectric.com/ssl/contact/company/rd/form.html
www.MitsubishiElectric.com/company/rd/

Public Relations Division
 Mitsubishi Electric Corporation
prd.gnews@nk.MitsubishiElectric.co.jp
www.MitsubishiElectric.com/news/

Mitsubishi Electric Facility Receives Net Zero Energy Building Certification

First medium-scale office building to be certified in Japan while still under construction

TOKYO, August 7, 2019 – [Mitsubishi Electric Corporation](http://www.MitsubishiElectric.com) (TOKYO: 6503) announced today that its envisioned Net Zero Energy Building Test Facility has become Japan’s first medium-scale (over 6,000 m²) office building under construction to receive a top-level BELS 5-star rating (☆☆☆☆☆) and Net Zero Energy Building (『ZEB』) certification from the Building-Housing Energy-efficiency Labeling System, a third-party certification organization in Japan. The rating, which measures energy-saving performance based on the Building Energy Index (BEI), is for the building’s theoretical performance levels.

Mitsubishi Electric is constructing the Net Zero Energy Building Test Facility in Kamakura, Kanagawa Prefecture, south of Tokyo, to develop and demonstrate ZEB-related technology. The facility is scheduled to start operating in September 2020.

Mitsubishi Electric is promoting technical developments based on its ZEB+ concept of constructing and upgrading buildings over their lifecycles for environmental efficiency, energy savings, productivity, comfort, convenience and business continuity.



Rendering of Net Zero Energy Building Test Facility



BELS certificate

The certification recognizes the facility’s projected reduction in energy consumption by 103% (includes production of photovoltaic energy) compared with its surrounding region’s average consumption levels, measuring total energy consumption for air conditioning, ventilation, hot water, lighting and elevators based on energy conservation standards introduced by Japan’s National Institute for Land and Infrastructure Management in 2016. To qualify for certification, Mitsubishi Electric optimized design conditions for the entire construction process, maximized the efficiency of equipment and systems to be installed in the facility and introduced ZEB-based solutions for air conditioning, lighting and photovoltaic systems.

Mitsubishi Electric expects the global ZEB market to expand to 40 trillion yen by 2030 and Japanese market to expand to 130 billion yen by 2020 and 630 billion yen by 2030.

Mitsubishi Electric registered with the Ministry of Economy, Trade and Industry as an official ZEB planner in 2017. Going forward, the company aims to accelerate its development and application of ZEB-related technologies to contribute to the achievement of the United Nations Sustainable Development Goals and the realization of greater energy savings and more comfortable living spaces, as well as contribute to more convenient office environments under its proprietary ZEB+ concept.

Net Zero Energy Building Test Facility

Location	5-1-1 Ofuna, Kamakura, Kanagawa Prefecture, Japan (campus of Information Technology R&D Center, Mitsubishi Electric Corporation)
Building area	About 2,000 m ²
Floor area	About 6,000 m ²
Structure	Four-story steel-frame
Start of operation	September 2020
Investment	Approximately 4.0 billion yen (including 1.6 billion yen for demonstration equipment)
Energy savings	World's highest level of primary energy consumption (-0.03 BEI) for over 6,000 m ² buildings (0.41 BEI if photovoltaic energy generation not included)

ZEB+ is a registered trademark of Mitsubishi Electric Corporation.

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About Mitsubishi Electric Corporation

With nearly 100 years of experience in providing reliable, high-quality products, Mitsubishi Electric Corporation (TOKYO: 6503) is a recognized world leader in the manufacture, marketing and sales of electrical and electronic equipment used in information processing and communications, space development and satellite communications, consumer electronics, industrial technology, energy, transportation and building equipment. Embracing the spirit of its corporate statement, Changes for the Better, and its environmental statement, Eco Changes, Mitsubishi Electric endeavors to be a global, leading green company, enriching society with technology. The company recorded a revenue of 4,519.9 billion yen (US\$ 40.7 billion*) in the fiscal year ended March 31, 2019. For more information visit:

www.MitsubishiElectric.com

*At an exchange rate of 111 yen to the US dollar, the rate given by the Tokyo Foreign Exchange Market on March 31, 2019