

**MITSUBISHI ELECTRIC CORPORATION
PUBLIC RELATIONS DIVISION**

7-3, Marunouchi 2-chome, Chiyoda-ku, Tokyo, 100-8310 Japan

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Customer Inquiries

Transmission & Distribution Systems Marketing Division
Energy & Industrial Systems Group
Mitsubishi Electric Corporation
tdm.tds@rf.MitsubishiElectric.co.jp
www.MitsubishiElectric.com/products/energy/

Media Inquiries

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

**Mitsubishi Electric Delivers High-capacity Energy-storage System to
Kyushu Electric Power’s Buzen Substation**

Will contribute to stable power supply with world-leading 50,000-kilowatt storage battery system

TOKYO, March 3, 2016 – [Mitsubishi Electric Corporation](http://www.mitsubishielectric.com) (TOKYO: 6503) announced today its delivery of the world’s largest energy-storage system—50 MW output and 300 MWh rated capacity—to Kyushu Electric Power Co. on March 3. The system, which is part of a pilot project to balance supply and demand via high-capacity energy-storage systems, was installed at the Buzen Substation in Buzen, Fukuoka Prefecture.



Large-scale energy storage system
at Kyushu Electric Power’s Buzen Power Station



Battery (double stacked)

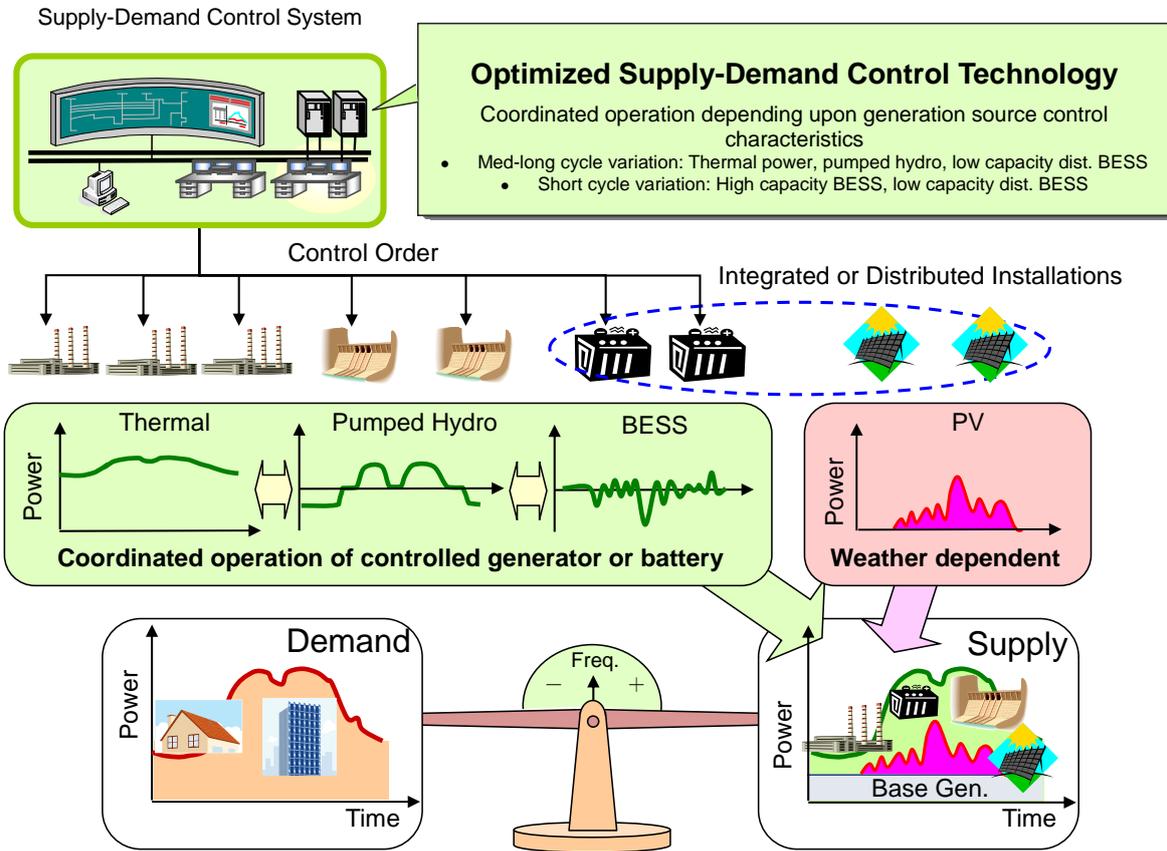
The facility offers energy-storage capabilities similar to those of pumped hydro facilities while helping to improve the balance of supply and demand when renewable energy sources are used. The energy storage system achieves effective overall control and improved operational efficiency through the use of Mitsubishi Electric’s BLenDer[®] RE battery SCADA system to monitor and control modules in a multiple module system. Also, containerized, compact (double stacked) battery modules help to reduce the facility footprint, installation time and construction costs.

System Configuration

Battery SCADA System	Efficient battery control achieved via BLenDer RE
Sodium Sulfur (NaS) Battery	World-leading 50MW / 300MWh; 252 containers, each providing 200kW in 63 4-module units; 14,000m ² area (100m x 140m); Produced by NGK Insulators, Ltd.
Power Conditioner	800kW x 63 units
Substation Equipment	66 / 6.6kV transformer x 2 units, other 6.6kV substation equipment

BLEnDer RE Battery SCADA System

BLEnDer RE is primarily an energy-management system that monitors and controls energy storage within the SmartGrid’s power supply and demand system. The system smooths variations in frequency and power flow caused by renewable generation via battery control. In addition, it enables efficient operation via power supply control through the coordinated use of multiple-generation sources and batteries, as well as technology for optimizing operation, stoppage timing and output of the various sources.



Mitsubishi Electric’s Other High-capacity Energy Storage Systems in Japan

Project	Location	Delivery	Battery
Kyushu Electric Power trial for interconnected expansion of wind power system	Iki, Nagasaki Pref.	2013	Li Ion 4MW / 1.6MWh
Kyushu Electric Power BESS control verification for renewable energy expansion on island	Tsushima, Nagasaki Pref.	2014	Li Ion 3.5MW / 1.43MWh
Chugoku Electric Power hybrid BESS demonstration project in Oki Islands	Oki, Shimane Pref.	2015	Sodium Sulfur (NaS) 4.2MW / 25.2MWh Li Ion 2MW / 700kWh

As the use of renewable energy resources expands worldwide, Mitsubishi Electric will continue building on its technical capabilities to supply advanced battery-energy storage-control facilities for the stable supply of electric power in Japan and worldwide.

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About Mitsubishi Electric Corporation

With over 90 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 consolidated group sales of 4,323.0 billion yen (US\$ 36.0 billion*) in the fiscal year ended March 31, 2015. For more information visit:

<http://www.MitsubishiElectric.com>

*At an exchange rate of 120 yen to the US dollar, the rate given by the Tokyo Foreign Exchange Market on March 31, 2015

BLEnDer is a registered trademark of Mitsubishi Electric Corporation.