News Release
For Immediate Release

HITACHI

Matsuyama Battery Energy Storage System, utilizing Hitachi's grid energy storage systems, starts operation

Utilizing the comprehensive capabilities of the Hitachi Group from design and procurement to installation and testing in a single integrated process

Matsuyama Battery Energy Storage System

Tokyo, August 6, 2025 — Hitachi, Ltd. (TSE:6501, "Hitachi") has recently delivered a set of grid energy storage system[*1] to Matsuyama Mikan Energy LLC (Matsuyama Mikan Energy) [*2] for its newly constructed Matsuyama Battery Energy Storage System (Matsuyama BESS) in Matsuyama City, Ehime Prefecture. The Matsuyama BESS features a rated output of 12 MW and a rated capacity of 35.8 MWh. Operations officially commenced on August 1. This project marks Hitachi's first delivery of a grid energy storage system in Japan. The entire process—from design and procurement to installation and testing—was seamlessly managed as a "One Hitachi" initiative, leveraging the comprehensive capabilities of the Hitachi Group.

The system delivered utilizes Hitachi Energy's globally proven power conversion solution platform*[3]. In addition to efficient storage and supply in line with power supply and demand, the system provides a management system for supplying high-quality power and adjustment capabilities that respond to fluctuations in renewable energy output. This contributes to stabilizing power supply and demand, promotes the effective utilization of renewable energy, and supports the realization of a decarbonized society.

*1 Energy storage systems used mainly for power grids and renewable energy power plants
*2 A joint venture established by Shikoku Electric Power Company, Incorporated and CHC Japan K.K.
*3 Hitachi Energy's power conversion solutions for distributed energy sources. In addition to the Battery Power Conversion System (PCS) and the Power Plant Controller (PPC) implemented in this project, it also consists of solutions such as the Photovoltaic Inverter (PVI) and the Advanced Multiport Power Station (AMPS).

Background

To achieve the carbon-neutral society envisioned by the Japanese government by 2050, the adoption of renewable energy sources such as solar power generation is progressing. However, challenges remain in balancing power supply and demand, as well as fluctuations in power generation output due to weather conditions. As a solution, the utilization of battery energy storage systems is gaining attention. Battery energy storage systems charge electricity during periods of high-power generation and supply it during periods of high consumption, enabling the effective use of renewable energy and the adjustment of power supply and demand balance. Based on this situation, Matsuyama Mikan Energy planned the construction of the Matsuyama BESS in 2023. In selecting the system, Hitachi Group was chosen for its ability to provide comprehensive support from system design, procurement and installation as well as its proven track record and reliability cultivated over many years in the power industry. As a result, Hitachi's grid energy storage system was adopted for this project*4.

*4 Hitachi News Release (August 7, 2023): "Matsuyama Mikan Energy selects Hitachi's grid energy storage system with e-mesh™ PowerStore™"

Role of Hitachi Group

Hitachi Group has a long history in the power industry and offers a wide range of solutions in power storage systems, from storage batteries to power transmission and distribution infrastructure such as substation equipment and system protection devices.

In the construction of the Matsuyama BESS, Hitachi leveraged its extensive experience in power system stabilization and power storage systems for electric power companies to define requirements, perform initial design, and manage the entire project. Additionally, Hitachi Energy provided its digitally enabled Power Conversion Solution platform with a rich global experience, while Hitachi Power Solutions provided and commissioned the power distribution equipment and conducted the overall installation of the Matsuyama BESS. By leveraging the Hitachi Group's comprehensive capabilities, the project was successfully completed in a seamless manner, from design and procurement to installation and testing, contributing to the project's success.

Comment from Matsuyama Mikan Energy LLC

Thanks to Hitachi's comprehensive support, from design to testing, we were able to start operations at the Matsuyama BESS on schedule in FY2025. At this plant, we will store and supply electricity in line with power supply and demand, provide balancing power, and maximize the use of renewable energy to contribute to achieving carbon neutrality by 2050.

Future development

Hitachi Group provides comprehensive services for grid energy storage systems from design to maintenance. This support helps establish renewable energy as a pillar of Japan's power supply and ensures a stable power supply for the future. Additionally, as a comprehensive energy storage solutions provider, Hitachi Energy is advancing the enhancement of power conversion technologies for renewable and hybrid BESS applications.
Going forward, Hitachi Group will continue to support both the expansion of the renewable energy ratio in Japan and the stable supply of electric power, contributing to the realization of a carbon-neutral society.

About Hitachi, Ltd.
Through its Social Innovation Business (SIB) that brings together IT, OT(Operational Technology) and products, Hitachi contributes to a harmonized society where the environment, wellbeing, and economic growth are in balance. Hitachi operates globally in four sectors – Digital Systems & Services, Energy, Mobility, and Connective Industries – and the Strategic SIB Business Unit for new growth businesses. With Lumada at its core, Hitachi generates value from integrating data, technology and domain knowledge to solve customer and social challenges. Revenues for FY2024 (ended March 31, 2025) totaled 9,783.3 billion yen, with 618 consolidated subsidiaries and approximately 280,000 employees worldwide. Visit us at www.hitachi.com.

Business Contact
Nomura Aruga
Power Grid Control Systems Engineering Department, Power Generation Control Systems Division
Infrastructure Control System Division
Social Infrastructure Systems Business Unit
Hitachi, Ltd
https://www8.hitachi.co.jp/inquiry/hitachiltd/control/en/main/form.jsp

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