

Can battery energy storage systems stabilize Vietnam's grid?

Sunita Dubey and Hyunjung Lee share how Vietnam is leveraging Battery Energy Storage Systems to stabilize their grid and accelerate the energy transition.

Why should Vietnam invest in energy storage?

Vietnam's innovations and recent developments in the energy sector emerge as an inspiration for the global drive towards a cleaner and more sustainable future. The nation's strategic approach to energy storage exemplifies the significance of collaboration, blended financing, and aligning initiatives with national plans.

How is Vietnam advancing its energy infrastructure towards an energy-resilient future?

Vietnam is advancing its energy infrastructure towards a greener, more just, and energy-efficient future, simultaneously providing a valuable model inspiring the global drive towards an energy-resilient future.

What is battery energy storage system (BESS)?

Battery Energy Storage Systems (BESS) play a pivotal role in addressing these challenges by minimising the intermittency of renewables, enhancing grid flexibility, and ensuring reliable power supply. In a significant development, Vietnam Electricity (EVN) has secured approval for its first pilot BESS project with a capacity of 50 MW/50MWh.

Can BESS be integrated into Vietnam's power grid?

In an effort to facilitate the integration of BESS into Vietnam's power grid, the Electricity and Renewable Energy Authority (EREA) of the Ministry of Industry and Trade recently hosted a technical workshop in collaboration with GEAPP.

What is EVN's 50 MW battery energy storage system?

EVN's 50 MW Battery Energy Storage Systems (BESS) pilot project, in collaboration with ADB and GEAPP, aims for 300 MW by 2030. Vietnam is the fastest-growing energy market in Asia, according to the International Trade Administration. The government anticipates a 10-12% annual surge through 2030 in the nation's power consumption.

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Hanoi (VNA) - VinES, a member of Vietnamese conglomerate Vingroup, and Marubeni Green Power Vietnam, a fully-owned subsidiary of Japan's Marubeni Corporation, have signed a strategic partnership ...

In July 2024, Fluence secured major battery energy storage orders: 7.8GWh from Sunpower, 15.3GWh from

Tesla, and 6.3GWh from Samsung SDI, and signed a 2.2GWh supply ...

Vietnam's energy storage sector a priority for Asian Development Bank and Global Energy Alliance for People and Planet funds. Gotion building Vietnam's first LFP gigafactory ... A battery energy storage system (BESS) will be retrofitted to a utility-scale solar PV power plant in Vietnam, in a pilot project aimed at supporting the spread of ...

Vietnam's VinES meanwhile is aiming to become an early leader in the country's energy storage market. In November last year, it broke ground on a new lithium iron phosphate (LFP) battery cell factory in the Vung ...

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Marubeni Corporation, through its wholly-owned subsidiary Marubeni Green Power Vietnam Co., Ltd, has commenced a battery energy storage system ("the BESS") ...

Six countries have committed to achieving net zero goals in the future, and renewable energy will accelerate construction. In the meantime, you can learn about the world's energy storage ...

With the rapid growth of renewable energy in recent years, industry experts are urging Vietnam to increase the use of battery energy storage systems (BESS) within its national power grid. Pham Dang An, deputy general director of Vu Phong Energy Group, emphasized that BESS is becoming increasingly vital for ensuring energy security and fostering sustainable ...

Marubeni Green Power Vietnam, a wholly owned subsidiary of Marubeni--one of Japan's largest general trading "sogo shosha" companies--partnered with Vietnamese ...

The existing regulatory framework must be reformed, and grid infrastructure optimised for integrating large-scale storage systems. Further, clear policies on energy trading need to be introduced to eliminate uncertainties. While Vietnam has taken initial steps by including a 300MW BESS target in the PDP8, more ambitious action is needed.

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