

ContainerPower Energy Solutions

Malta to build new energy storage project



Overview

As part of Malta's long-term climate and energy goals to reduce carbon emissions from the energy sector, enhance the integration of renewable energy sources (RES), and strengthen the security of supply, the country is launching the procurement process for the design and construction of two utility-scale Battery Energy Storage Systems (BESS). How does energy storage work in Malta?

Malta's innovative long-duration energy storage technology stores electricity as thermal energy from eight hours to eight days or longer, later returning it to the grid to meet hourly, daily, and weekly needs.

Is Malta the first company to commercialize a thermoelectric energy storage system?

Christian Bruch, President and CEO of Siemens Energy, said, "Malta's innovative thermoelectric energy storage system offers a flexible, cost-effective and scalable solution for the storage of energy over long periods of time. With our support, Malta is well positioned to be the first company to commercialize such a solution globally."

Who invested in Malta energy?

CAMBRIDGE, Mass.-- (BUSINESS WIRE)--Malta Inc., a leader in long-duration energy storage, today announced that it has closed on a round of financing provided by a group of investors including Siemens Energy Ventures and Alfa Laval as well as existing shareholders Breakthrough Energy Ventures, Proman, Chevron Technology Ventures, and Piva Capital.

How efficient is Malta's thermal storage system?

Malta's system also achieves a power-to-power charge/discharge round-trip efficiency (RTE) of up to 60%, which is about 50% higher than other thermal storage systems without heat pump charging.

What is Malta doing to improve climate & energy?

This initiative underscores Malta's commitment to achieving long-term climate and energy goals, including reducing carbon emissions, enhancing the integration of renewable energy sources (RES), and ensuring a more stable energy supply.

Why is the Bess project important for Malta?

Interconnect Malta divisional manager Joseph Vassallo said the BESS project was an important milestone for Malta as it would contribute to modernise its distribution network with the installation of large power-electronic converters connected to Malta's 33kV system for energy conversion and flexibility services.

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