

# Malta s commercial and industrial energy storage system



## Overview

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Malta's grid-scale, long-duration energy storage system helps governments, utilities, and grid operators transition to low-cost, carbon free renewable energy while enhancing energy security. Using proven subsystems, a locally sourced supply chain, and abundantly available materials like salt, the system delivers economical, clean energy with a flexible power and heat. SAM opportunity assumes \$350mm total revenue per 100 MW LDES system. Operates at utility-scale - no other LDES technology can replicate what Malta can do, and where it can go, in this space. Malta's Steam Rankine (SR) Pumped Heat Energy Storage (PHES) solution has a unique set. CAMBRIDGE, Mass., 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. 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.

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### **BBVA supports Malta Inc.'s long-duration thermal energy storage tech**

It will be based on a technology that Malta Inc. claims can enable cost-effective energy storage for applications requiring anything from 8-hour to 200-hour (or about eight-day) durations.

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### **Utility Scale Battery Energy Storage Systems**

"Utility-scale battery storage is a game changer for the electric grid. It provides the flexibility and resilience needed to accommodate increasing amounts of renewable energy, reducing reliance on

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### **Malta and Bechtel join forces to speed rollout of long-duration energy**

Malta Inc. - a leading developer of grid-scale, long-duration energy storage - and Bechtel Corporation, one of the world's most respected engineering, construction, and project management companies, ...



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## The Future of Energy Storage

Malta's proprietary and proven molten salt long-duration energy storage system provides a unique combination of capacity and duration for which there are no suitable technology alternatives



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Malta SEMS is more than just energy storage--it's an integrated clean energy solution that powers industries, data centers, and cities, stabilizes grids, and delivers flexible clean heat and power, cost ...

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## Malta Pumped Heat Energy Storage

Malta is Long-Duration Energy Storage  
Malta's grid-scale pumped heat energy storage system (PHES) is a low-cost, long-duration solution which will enable the global energy transition



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**"Our technology provides long-duration storage from 8 hours to**

Q: Malta's solution lies in thermo-electric



energy storage. Why is this system so innovative, and what are its main keys?  
A: It combines well-established thermodynamic principles with modern technological ...

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## Malta Closes Funding to Deploy Its Long-Duration Energy Storage System

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