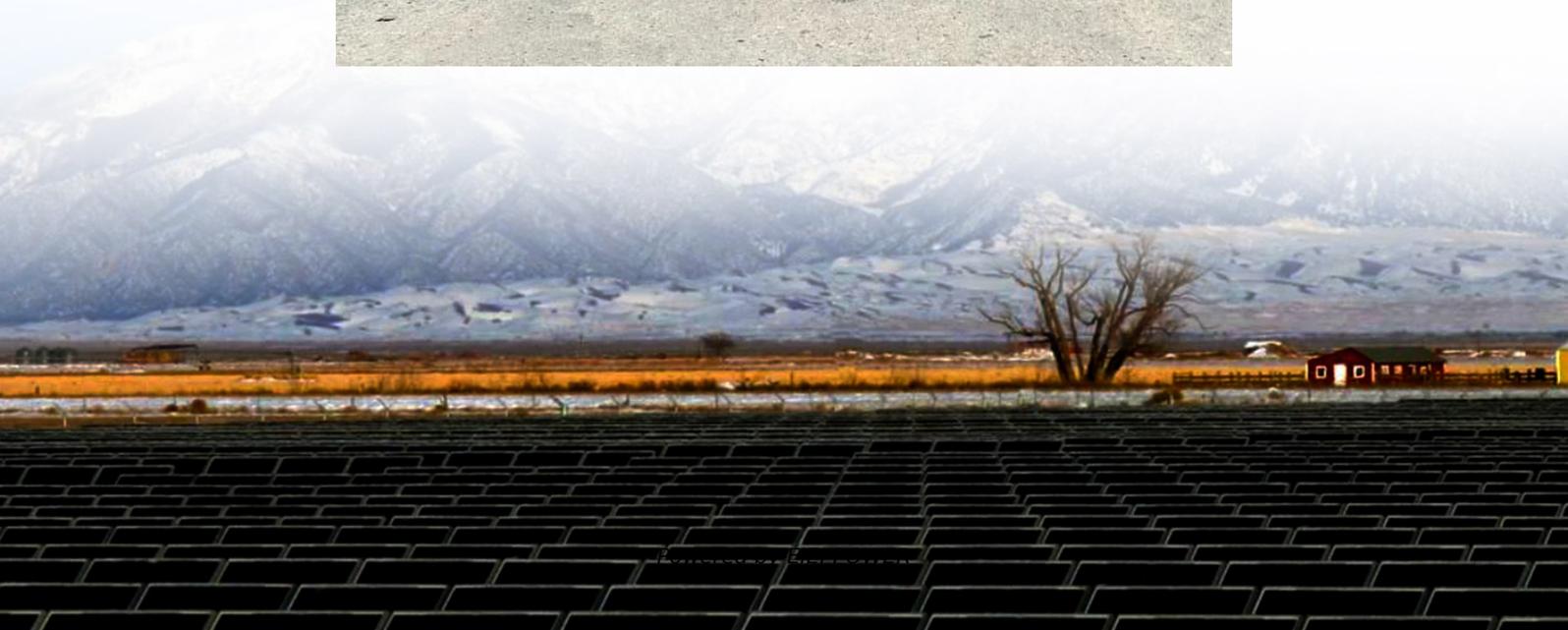


# **The latest energy storage ems solution in Hamburg Germany**





## Overview

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What is electric thermal energy storage (ETEs)?

The 130MWh Electric Thermal Energy Storage (ETES) demonstration project, commissioned in Hamburg-Altenwerder, Germany, in June 2019, is the precursor of future energy storage solutions with gigawatt-scale charging and discharging capacities. Siemens Gamesa, Hamburg University of Technology, and Hamburg Energie.

What is the heat storage facility in Hamburg-Altenwerder?

The heat storage facility, which was ceremonially opened today in Hamburg-Altenwerder, contains around 1,000 tonnes of volcanic rock as an energy storage medium. It is fed with electrical energy converted into hot air by means of a resistance heater and a blower that heats the rock to 750°C.

How many energy storage companies in Germany in 2025?

Detailed info and reviews on 27 top Energy Storage companies and startups in Germany in 2025. Get the latest updates on their products, jobs, funding, investors, founders and more.

What does Hamburg energy do?

Hamburg Energie is responsible for marketing the stored energy on the electricity market. The energy provider is developing highly flexible digital control system platforms for virtual power plants. Connected to such an IT platform, ETES can optimally store renewable energy at maximum yield.



## The latest energy storage ems solution in Hamburg Germany

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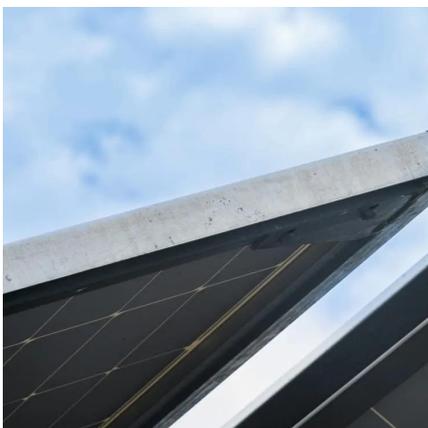
### [Energy Transition at the Pump: JET & Voltfang HPC in Hamburg](#)

Dec 6, 2025 · JET and Voltfang launch a 300 kW fast-charging station with battery storage in Hamburg - ultra-fast charging without grid expansion, climate-friendly and cost-efficient.



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## Encavis

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## New Energy Storage Power Station in Hamburg Powering Germany ...

Discover how Hamburg's cutting-edge energy storage solutions are reshaping renewable energy integration and grid stability. This article explores the technical innovations, environmental ...

## [Electric Thermal Energy Storage \(ETES\) System, Hamburg](#)

Etes Project BackgroundFinancingHamburg Etes Pilot Plant DetailsEfficiencyAdvantages of The Electric Thermal Energy Storage SystemThe ETES technology is based on 80% off-the shelf components and provides a flexible solution for storing surplus power and discharging the same during hours of peak electricity demand. It will thus help maintain the grid stability and complement the renewable power generation. Use of rocks as the storage medium distinguishes the ETES system as an See more on nsenerybusiness Siemens Gamesa

## World first: Siemens Gamesa begins operation of its ...

Jun 12, 2019 · In a world first, Siemens Gamesa Renewable Energy (SGRE) has today begun operation of its electric thermal energy storage system (ETES). During the opening ceremony, ...





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### [26 Top Energy Storage Companies in Germany · December ...](#)

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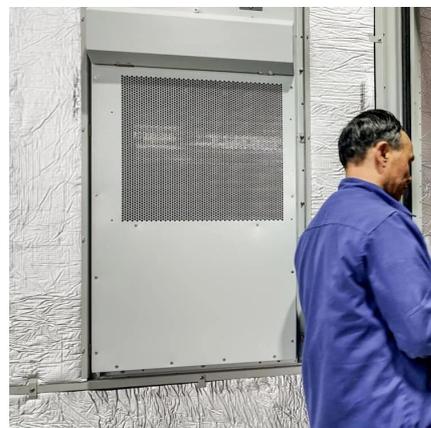


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