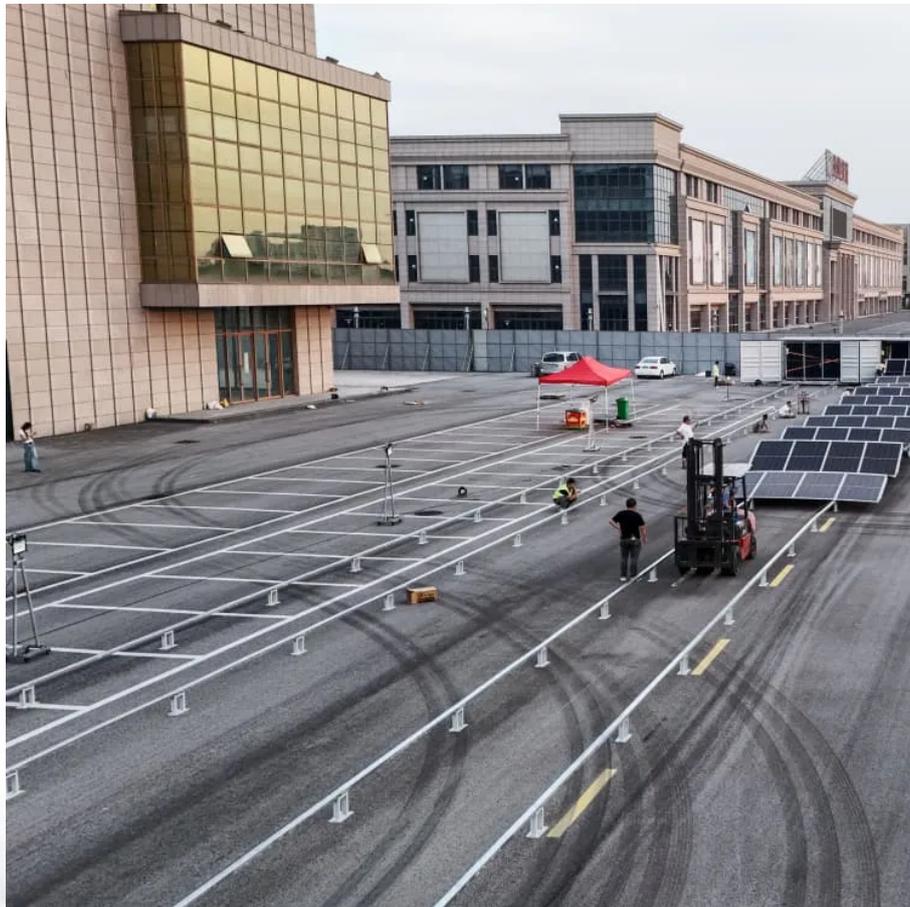


# **Integrated energy storage equipment in Hamburg Germany**





## Overview

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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.

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.

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.



## Integrated energy storage equipment in Hamburg Germany

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### Energy Storage Tech Startups in Hamburg, Germany

Aug 22, 2025 · Energy Storage Tech Sector in Hamburg has a total of 11 companies which include top companies like suena, Eternal Power and Hamburg Green Hydrogen Hub.

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### Top 10 Energy Storage Companies in Germany , PF Nexus

Jul 15, 2025 · Top 10 Energy Storage Companies in Germany: discover market leaders, buying and selling opportunities, and financing options on PF Nexus.

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### Energy Storage

Manufacturers, suppliers and system providers of energy storage systems will be presenting their most up-to-date technologies in the new exhibition area. This will cover battery technologies, ...

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### Electric Thermal Energy Storage (ETES) ...

Aug 2, 2019 · The 130MWh Electric Thermal Energy Storage (ETES) demonstration project was commissioned in Hamburg-Altenwerder, ...

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### 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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### Energy Storage

Manufacturers, suppliers and system providers of energy storage systems will be presenting their most up-to-date technologies in the new exhibition ...

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### Electric Thermal Energy Storage (ETES) System, Hamburg

Aug 2, 2019 · The 130MWh Electric Thermal Energy Storage (ETES) demonstration project was commissioned in Hamburg-Altenwerder, Germany, in June 2019.

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### Storage systems for renewable energies: Topic for today and ...

Mar 22, 2016 · Energy storage systems are vital in order to use renewable energies on a large scale because the fluctuating supply of renewable energy is subject to nature's whim. The ...

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### Large thermal energy storage

Dec 4, 2025 · Large-scale heat storage systems enable the integration of renewable energies, increase grid flexibility and ensure a reliable supply. With sound engineering know-how and in ...

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### Symbolic start of industrial heat feed-in to Hamburg city ...

Hamburg, January 9, 2024 -- Today Aurubis AG CEO Dr. Toralf Haag and Hamburger Energiewerke GmbH (HEnW) Managing Director Michael Prinz joined First Mayor of the Free ...

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Top 100 Energy Storage Companies in Germany (2025) , ensun

Germany is a leader in renewable energy integration, notably solar and wind power, which creates a high demand for effective energy storage solutions. Understanding the regulatory framework ...

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26 Top Energy Storage Companies in Germany · December ...

Dec 1, 2025 · Detailed info and reviews on 26 top Energy Storage companies and startups in Germany in 2025. Get the latest updates on their products, jobs, funding, investors, founders ...

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