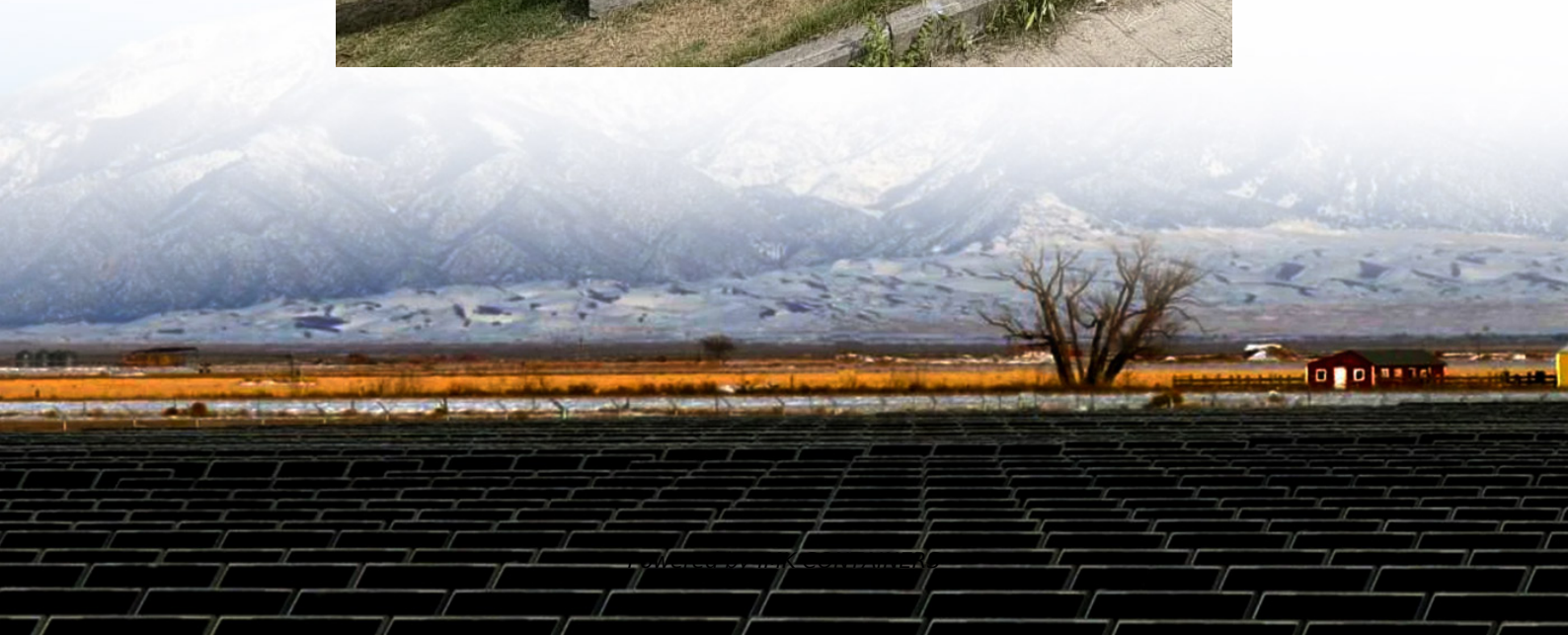


Germany Hamburg high power energy storage equipment





Overview

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.

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.

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.



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[Large thermal energy storage](#)

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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Novel high-performance storage enters final construction ...

On 26 September Siemens Gamesa Renewable Energy (SGRE) celebrated the topping-out ceremony of its electric thermal energy storage (ETES) facility in ...

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Summary: Discover how Hamburg's cutting-edge energy storage power stations are revolutionizing renewable energy integration, stabilizing grids, and supporting Germany's ...

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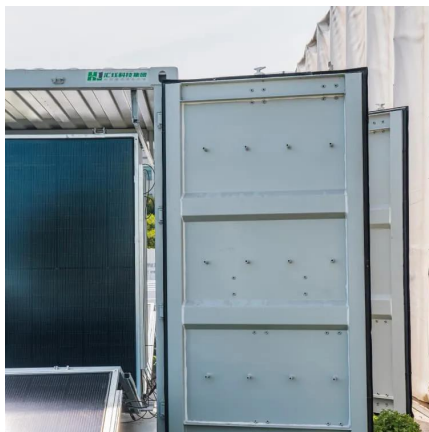
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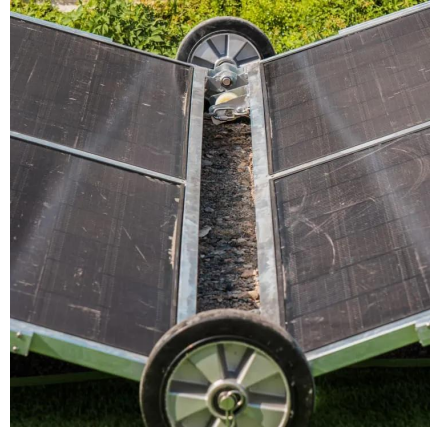




[Energy Storage Tech Startups in Hamburg, Germany](#)

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

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