

# **New energy storage base in Hamburg Germany**





## Overview

---

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 much energy can a thermal energy storage system store?

The Electric Thermal Energy Storage system can store up to 130MWh of thermal energy for a week, which can be converted back into electrical energy using a 1.4MW steam turbine generator that can produce electricity for up to 24 hours.

How did Hamburger Energiewerke get funding?

Hamburger Energiewerke received funding from BAFA as part of the Model Project Heat Network Systems 4.0 (Module II) program. The Hamburg Investment and Development Bank (IFB Hamburg) also provided funding for the HEnW project in keeping with the “Companies for Resource Conservation” funding guidelines.

How does Hamburger Energiewerke deliver industrial heat?

The heat can then be fed into the over 860-kilometer city network using a network pump system. To deliver the industrial heat to Hamburg households, Hamburger Energiewerke is using an existing enercity Contracting Nord GmbH pipeline to cover the first segment from the Aurubis plant to the Elbe River crossing.



## New energy storage base in Hamburg Germany

---

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

Jan 9, 2025 · Today Aurubis AG CEO Dr. Toralf Haag and Hamburger Energiewerke GmbH (HEnW) Managing Director Michael Prinz joined First Mayor of the Free and Hanseatic City of ...

---

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 ...

---

Encavis AG constructs its first Battery Energy ...

Sep 4, 2024 · The Hamburg-based solar and wind farm operator, ...

---

Siemens Gamesa launches revolutionary ...

Jun 12, 2019 · The ETES (electric thermal energy storage) pilot plant in ...

---

Electric Thermal Energy Storage (ETES) ...

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

---

Hamburg Commercial Bank supports ju:niz Energy in ...

Nov 12, 2025 · GERMANY/HAMBURG - Hamburg Commercial Bank AG (HCOB) is providing financing to Bavarian energy storage company ju:niz Energy GmbH for the construction and ...

---

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.

---

New Energy Storage Base in Hamburg Powering Germany s ...

SunContainer Innovations - Summary: Hamburg's new energy storage base is a game-changer for renewable energy integration. This article explores its role in stabilizing Germany's grid, ...

---

Novel high-performance storage enters final construction ...

Nov 15, 2018 · On 26 September Siemens Gamesa Renewable Energy (SGRE) celebrated the topping-out ceremony of its electric thermal energy storage (ETES) facility in ...

---

Encavis AG constructs its first Battery Energy Storage System in Germany

Sep 4, 2024 · The Hamburg-based solar and wind farm operator, commenced construction on its first battery storage facility in Germany. This facility, with a capacity of approximately 12 MW, ...

---

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.

---

Siemens Gamesa launches revolutionary thermal storage pilot

Jun 12, 2019 · The ETES (electric thermal energy storage) pilot plant in Hamburg, Germany -- at the site of a decommissioned conventional power plant -- converts electrical energy into hot ...

---

Pilot project in Hamburg: Hamburger Hochbahn AG and suena energy

Nov 4, 2025 · Hamburger Hochbahn AG and suena energy are jointly implementing a pilot project: a stationary battery storage system that both optimizes self-consumption and actively ...

---

## Contact Us

---

For technical specifications, project proposals, or partnership inquiries, please visit:

<https://lopianowa.pl>

## Scan QR Code for More Information



<https://lopianowa.pl>