Germany Hamburg Energy Storage Power Station Electrical

Overview

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.

Why is Hamburg promoting storage development?

Hamburg’s municipal energy supplier developed an IT platform to which the storage unit is connected. The platform guarantees that maximum possible proceeds are achieved by an optimized storage usage. The Federal Ministry of Economics and Energy is promoting storage development as part of the Future Energy Solutions project.

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 households can a German energy storage facility hold?

The storage facility, able to hold the daily energy requirements of 1,500 German households, is set to be commissioned in 2019. Scientists from the Institute of Thermo-fluid Dynamics at the Technical University of Hamburg and the energy supplier Hamburg Energie have been involved in the development.

Germany Hamburg Energy Storage Power Station Electrical

Electric Thermal Energy Storage (ETES) System, Hamburg

Etes Project BackgroundFinancingHamburg Etes Pilot Plant DetailsEfficiencyAdvantages of The Electric Thermal Energy Storage SystemThe ETES prototype uses 1,000 tonnes (t) of volcanic rocks as the medium for energy storage. The facility is charged using hot air produced with the help of a resistance heater and a blower. The thermal energy converted from electricity is stored in the volcanic rocks at a temperature between 750°C and 800°C. The facility can also be charged with h See more on nsenergybusiness styl-pro.pl

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Hamburg-Moorburg power station

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build a 100 MW facility on top ...

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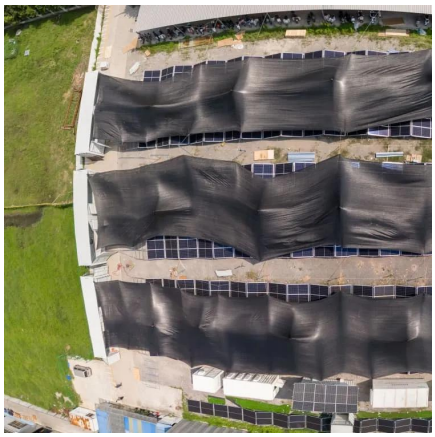

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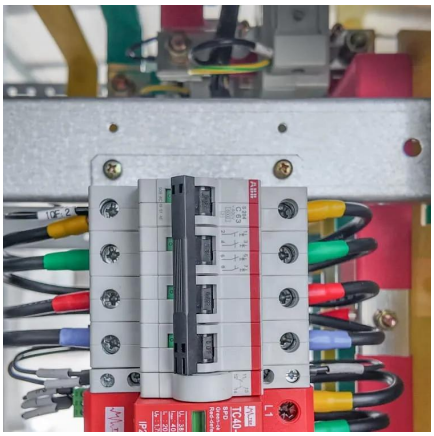

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