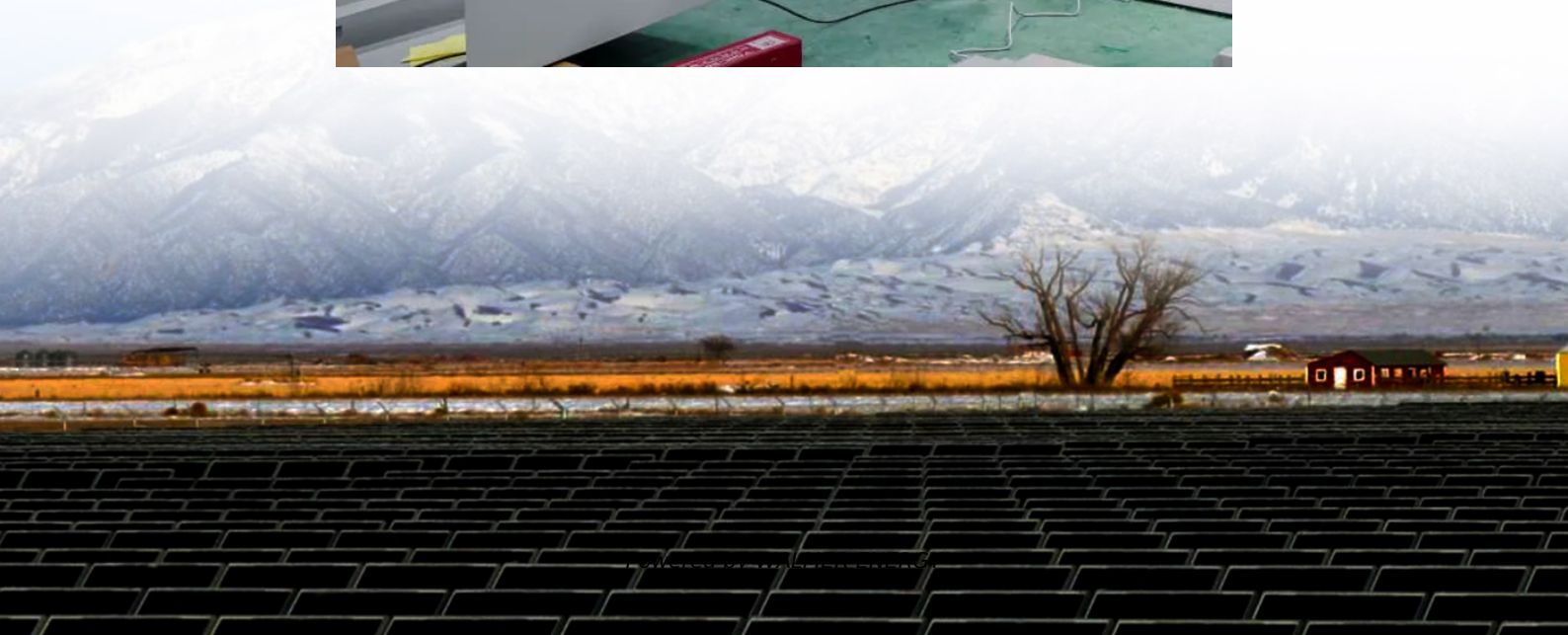


Vienna Energy Storage Power Station





Overview

Where is Donaustadt thermal power station located?

Next to the majestic blue Danube and adjacent to the green Lobau national park, the Donaustadt thermal power station is located on one of the main approaches to Vienna. With its 395 megawatts of electric power and 350 megawatts of thermal energy capacity, the power station – opened in 2001 – provides energy and heat for the greater Vienna region.

Will Vienna replace natural gas by 2040?

Natural gas used in Vienna is set for replacement by 2040. In 2023, Wien Energie, RheinEnergie, Siemens Energy, and VERBUND will blend hydrogen into the energy generation mix as part of an operational trial, the first of its kind involving a commercially used F-class gas turbine in combined cycle operation.

What percentage of hydrogen is used in Donaustadt power station?

The proportion of hydrogen in the first stage will be 15 percent by volume, doubling in the second stage. With 15% green hydrogen by volume, the Donaustadt power station will reduce its emissions by 33,000 metric tons of CO₂ annually. Wien Energie, RheinEnergie, and VERBUND all use Siemens Energy SGT-5 4000F gas turbines.

Will Donaustadt power station be able to run on natural gas?

With a heavy-duty gas turbine upgraded for hydrogen capability, Donaustadt power station is set to make a trial run operating on natural gas and hydrogen for the first time – gaining real-time knowledge for other upgrades around the world.



Vienna Energy Storage Power Station

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That's ...

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Energy storage

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Vienna Energy Storage Wind and Solar Power Station

When did Vienna start supplying carbon-free energy? Vienna's first citizens' power plant opened on 4 May 2012 on the premises of Donaustadt power station, and Wien Energie has been ...

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