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German power plant energy storage power station project

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Overview

German energy company EnBW has announced a 400MW/800MWh battery energy project (BESS) at a former nuclear power plant site, feeding renewable power into the grid when it is needed. How can traditional power plant sites contribute to German and European energy supply?

With this storage facility, traditional power plant sites can make an exemplary contribution to the German and European energy supply. Please click on the image to zoom. At the sites of the power plants in Hamm and Neurath, an intelligent, net-worked storage system is being built.

Could a 100 megawatt battery plant be built near a nuclear power plant?

Initial plans could see a 100-megawatts (MW) battery plant operating on a site close to the nuclear power station in 2026. A second phase would add 700-megawatts of capacity, hosted on the 12-hectare site of the nuclear power plant itself.

Is PreussenElektra transforming Brokdorf nuclear power plant into a power storage facility?

PreussenElektra, operator of the decommissioned Brokdorf nuclear power plant in northern German state Schleswig-Holstein, which was taken offline at the end of 2021, wants to transform the site into a power storage facility, reports NDR.

Will PreussenElektra be able to dismantle Schleswig-Holstein's nuclear power plant?

The company hopes to have the entire project online in 2036, but is waiting for authorisation to begin dismantling the decommissioned reactor. The state of Schleswig-Holstein is a major producer of wind power, which PreussenElektra wants to buy up when supply peaks, and sell back to the grid when it falls.

Could PreussenElektra be the biggest storage facility in Europe?

At 800MW, PreussenElektra's storage facility would be the biggest of its kind in Europe. A PreussenElektra spokesperson told NDR the project, which is expected to cost half a billion euros, was only possible in partnership with its parent company E.ON, but they would not be seeking public funds.

Where is RWE storing lithium-ion batteries?

RWE commissioned a large-scale storage facility in December 2024 and February 2025 in North Rhine-Westphalia. A total of 690 blocks of lithium-ion batteries were installed at the Neurath and Hamm sites. By opting for the sites of its existing power plants, RWE is able to take advantage of the synergy of combined technologies.

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Pumping power in Germany

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Danube powerplant group , Uniper

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HyperStrong standalone project in Germany achieves major ...

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Top five energy storage projects in Germany

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Project plan for large-scale battery storage system , EnBW

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ESS



220 MW battery storage system in Germany

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Germany adele power station energy storage

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Pumped storage: the future in Germany

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Pumped storage hydropower group

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the 2-hour battery energy storage system (BESS) at the Heyden 875MW hard coal power plant site in ...

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