







Could pumped storage reduce the need for new gas power plants? A recent study shows that pumped storage could reduce the need for new gas power plantsin Germany and help with the integration of renewable energies from 2030.





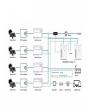
Under the plan, Germany's greenhouse gas emissions are to be reduced by 80 to 95 per cent from 1990 levels by 2050, and the proportion of renewables in the country's energy mix is to be increased to at least 60 per ???





Goldisthal pumped-storage plant, in Thuringia, Germany, was officially commissioned in September 2003 and is, at present, Europe's most advanced pumped-storage plant. The pumped-storage plant is expected to reduce peak ???





With the Happurg pumped-storage plant, we want to make more storage capacity available again. As Germany's largest hydropower operator, we are thus contributing to a reliable power supply ???





Characteristics of Geesthacht Pumped-storage Power Plant. With installed capacity of 120 megawatts (MW), it is the largest of its type in northern Germany. The Elbe river serves as its lower reservoir. The upper reservoir holds around ???





The Pumped storage power plant group mainly comprises pumped storage and storage plants along the rivers Eder, Diemel, Main, Sinn, Happach, and Rusel. The plant group's total installed capacity is 807 MW, with an ???







Energy firm EnBW has been given the go-ahead to start work on a pumped hydro energy storage (PHES) project in Germany. The Baden-W?rttemberg-headquartered firm will invest ???280 million (US\$300 million) in ???





Pumped storage plants provide the only long-term, technically proven and cost-effective form of storing energy on a large scale. Find out more here. Voith almost inadvertently constructed Germany's first pumped storage plant. It was ???





The pumped storage extension will increase Waldeck's generation capacity to a total of 920MW. Meanwhile, in August 2014, Voith was awarded a contract worth ???9m (\$11.9m) to modernise a generator at the Waldeck 2 ???





A daring technological breakthrough Since the end of 2021, the world's most powerful horizontal air-cooled motor generator has been in commercial operation at the Wehr pumped storage plant in Germany. The successful commissioning ???





A guidance note for key decision makers to de-risk pumped storage investments. International Forum on Pumped Storage Hydropower. Book your place for the Forum in Paris on 9-10 Sept 2025. Tracking tool. with plans for ???





Germany has the highest installed capacity of pumped storage in Europe. In 2023, nearly 9.4 gigawatts were installed across the country. It was followed by Italy, with some 7.2 gigawatts of pumped





Energy storage is currently a key focus of the energy debate. In Germany, in particular, the increasing share of power generation from intermittent renewables within the grid requires solutions for dealing with surpluses and ???