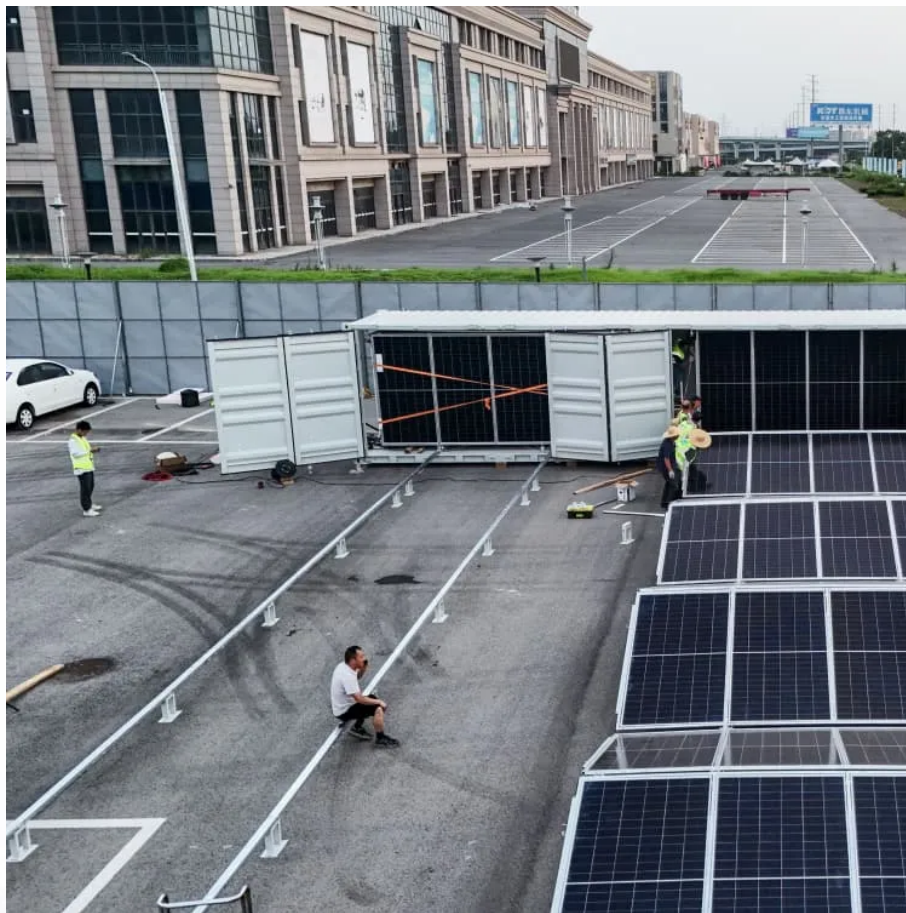


Germany s power storage network security





Overview

The German Federal Network Agency (Bundesnetzagentur) has released a report detailing the status and projected development of electricity supply security in the country, with an analysis extending up to 2035. How many GW of gas power plants will be deployed in Germany?

Precisely, next to the 500 MW LDES that will be supported under the mechanism, 5 GW of new H2-ready gas power plants, 2 GW of modernisations for hydrogen, and 5 GW of additional gas plants will be deployed, mainly in southern Germany, to ensure energy security.

What challenges do Germany's energy grid and gas supply networks face?

The Energiewende and the growth in European electricity trading present major challenges for Germany's electricity grid and gas supply networks. Many aspects play a key role in the security of energy supply: the networks must be sufficiently protected against any third party intervention.

Will Germany support long-duration energy storage?

17 July 2024: The German Federal Government will support long-duration energy storage (LDES) of 500 MW under its Power Plant Safety Act. The Act, coordinated with the European Commission, is part of Germany's economic growth package and aims to:.

Does the German gas network have a high quality of supply?

This figure shows that the German gas network continues to have a high quality of supply. There was a large variation in the interruption times among the federal states, ranging from 0.17 minutes in Berlin to 6.68 minutes in Schleswig-Holstein. More information on gas supply disruptions may be found in section IIIC5. 12. Gas network tariffs.

Does Germany have a gas storage facility?

Germany's gas storage facilities are key to the supply of gas, especially in the



winter months. The total maximum usable volume of working gas in underground storage facilities as at 31 December 2023 was 290 TWh (2022: 286 TWh).

Will Germany add more power storage projects in 2023?

Germany will likely add many more projects in the coming months, as the federal government increasingly focuses on storage solutions. In December 2023, the Federal Ministry for Economic Affairs and Climate Action (BMWK) published its “Power Storage Strategy” to accelerate the development of new capacities.



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