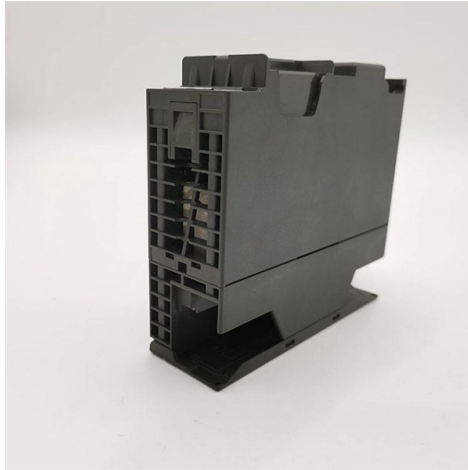


## Germany Energy Internet High-Intelligence Sharing



### Overview

From smart meters and AI-powered forecasting systems to IoT-based grid integration and large-scale battery storage, Germany is building an energy ecosystem that is smart and flexible, designated to serve its nation long-term. Together with the Fraunhofer Cluster of Excellence for Integrated Energy Systems (CINES), a white paper was developed that analyzes the effects and potential of the European data strategy, provides an understanding of the new regulations, and outlines specific options for action for players in the. According to the International Energy Agency, data centres currently account for only 1.5 % of global electricity consumption, but their electricity demand is expected to more than double by 2030. In the EU, data centres account for around 3 % of total electricity demand, but this varies between. In Germany, more and more homeowners are currently undergoing their private energy transition: with a solar system on the roof, battery storage and a heat pump in the basement – and perhaps a wallbox for an electric car. Consult and Stadtwerke Wunsiedel (SWW) is based on extensive empirical research, including a pilot Energy Sharing Community in Wunsiedel, Germany. How Germany is turning from an electricity problem into a shaper of intelligent AI infrastructure - and why the course must be set now.

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For more information, pricing, or custom solutions, please contact us:

Website: <https://automationauthoritysolar.co.za>

Email: [info@automationauthoritysolar.co.za](mailto:info@automationauthoritysolar.co.za)

Phone: +27 82 547 3961

Address: 15 Quantum Street, Technopark, Centurion, 0157, South Africa

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