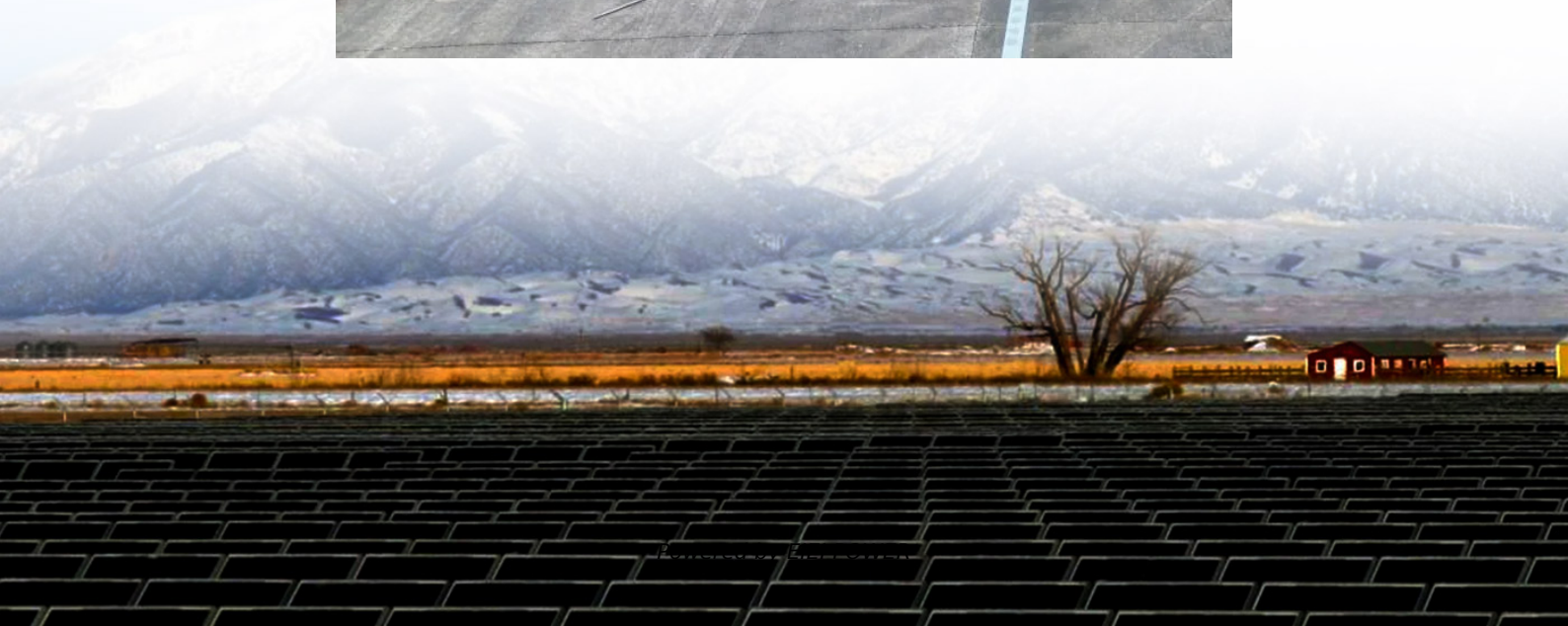


Bulgaria 300MW compressed air energy storage project





Overview

The project, invested and constructed by China Energy Engineering Group Co., Ltd., (CEEC), has set three world records in terms of single-unit power, storage capacity, and energy conversion efficiency. Why is energy storage growing in Bulgaria?

Energy storage in Bulgaria is expanding rapidly as the government awards nearly 10 GWh of capacity to 82 projects, boosting renewable energy reliability and grid stability.

What does Bulgaria's surge in storage capacity mean for Europe?

As Europe races toward climate neutrality, Bulgaria's surge in storage capacity signals a shift not only in national priorities but also in regional energy dynamics.

How will the selected storage systems be distributed in Bulgaria?

The selected storage systems will be geographically distributed across Bulgaria and connected either to the national transmission grid or local distribution networks. All awarded projects must be operational by March 2026.

How big is Bulgaria's solar PV capacity in 2024?

At the close of 2024, Bulgaria's solar PV capacity had already reached 3.91 GW—an annual increase of over 1 GW. These developments come on the heels of Bulgaria's first renewable energy auction held in late 2024, where more than 3 GW of generation and 1.176 GW of storage capacity were secured.



Bulgaria 300MW compressed air energy storage project



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CEEC-built World's First 300 MW Compressed Air Energy Storage ...

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[The world's first 300MW compressed air energy storage ...](#)

This is the world's first 300MW non-recompensatory compressed air energy storage demonstration project. It adopts the world's first, all-green, non-recompensatory, high ...



[China: 1.4GWh compressed air energy ...](#)

Oct 26, 2022 · Aerial view of another compressed air energy storage plant in China, which was connected to the grid last month. Image: China ...



China's national demonstration project for compressed air energy

Abstract: On May 26, 2022, the world's first nonsupplemental combustion compressed air energy storage power plant (Figure 1), Jintan Salt-cavern Compressed Air Energy Storage National ...



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World's first 300 MW compressed air energy storage plant ...

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In the morning of April 30th at 11:18, the world's first 300MW/1800MWh advanced compressed air energy storage (CAES) national demonstration power station with complete independent ...



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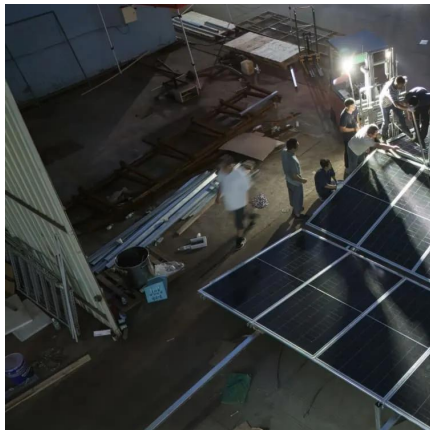
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A review on the development of compressed air energy storage ...

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