



GermanSolarZA

10 billion investment in wind solar and energy storage





Overview

How will renewables transform the world?

The renewables transformation is underpinned by world-leading investment in clean energy, energy storage and transmission grids. China is the biggest investor in clean energy worldwide, spending \$625 billion USD in 2024 – 31% of the global total of \$2,033bn. The volume of installed battery storage tripled in the three years to 2024.

Will capital flows to the energy sector rise in 2025?

Despite elevated geopolitical tensions and economic uncertainty, this tenth edition of the IEA's World Energy Investment shows that capital flows to the energy sector are set to rise in 2025 to USD 3.3 trillion, a 2% rise in real terms on 2024.

How will solar and wind projects be financed?

The remaining project costs will be covered through syndicated bank loans. The solar plant is expected to be completed by the end of 2025, while the wind project is scheduled for completion by the end of 2026.

What is the southern Thailand wind power and battery energy storage project?

The Southern Thailand Wind Power and Battery Energy Storage Project, funded by the Asian Development Bank (ADB) in 2020, was the first private sector initiative to support the development of 10 MW utility-scale wind power generation with an integrated 1.88 MWh BESS in Thailand.



10 billion investment in wind solar and energy storage



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In 2024 China's clean energy investment was more than USD 625 billion, almost doubling since 2015. China also achieved its 2030 wind and solar capacity target in 2024, six years ahead of schedule.

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Microsoft and Brookfield Asset Management will develop 10.5 gigawatts of renewable energy, in a deal they describe as the largest of its kind.

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The second phase, with a CNY 10 billion investment, will include a 1.7 GW wind-solar hybrid power plant and associated energy storage facilities, subject to policy and market conditions.

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The existing literature on energy storage has primarily focused on technological innovation, leaving a research gap to be filled using a policy lens. Through qualitative analysis, ...

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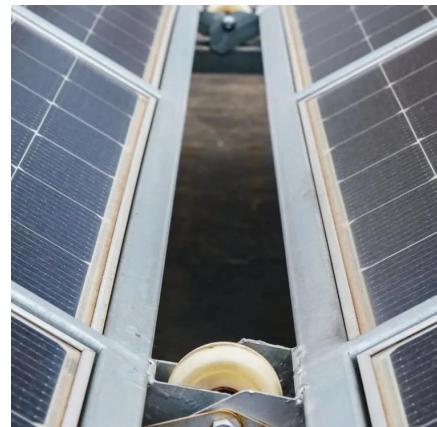
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