

Will China's power grid build a digital power grid?

China Southern Power Grid, one of the country's two major power grids, also plans to further step up digital power grid construction to make sure its percentage of nonfossil energy power generation accounts for 61 percent by 2030.

Will a digital power grid help China achieve a carbon peak?

A digital power grid will better facilitate the consumption of power increasingly produced by clean energy while further facilitating China's ambition to achieve a carbon peak by 2030 and carbon neutrality by 2060, he said.

Does China's Southern Power Grid have a digital power network?

"China Southern Power Grid also has two major pilot projects on power trading in Guangdong and Yunnan provinces, which provide both challenges and opportunities for the country's in-depth digitalization of its power networks," he added.

Could microgrids be the solution to a renewable future?

Ultimately, the solution to a renewable future won't rely on one transmission technology, but a mix of solutions, as many researchers believe. One alternative at the other end of the spectrum are microgrids, which see localised energy generation, storage and usage.

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