



China Microgrid Pilot Project

What is Wenzhou Nanji microgrid project?

Wenzhou Nanji of Zhejiang microgrid project was funded as a national "863" demonstration project by National Research Foundation of China. The total investment is about 0.15 billion yuan. The system consists of 1000 kW wind power generation, 545 kW PV power generation, 30 kW ocean power generation and 1600 kW diesel power generation.

How to promote microgrids in China?

Policies related to microgrids have been promulgated continuously, lists of related demonstration projects for microgrids application have been announced regularly, and pilot projects have been established one after the other, laying the foundation for the full promotion of microgrids in China.

How many distributed energy microgrid projects will China build by 2025?

It is estimated that China will build about 50 distributed energy microgrid demonstration projects by 2025, forming a distributed microgrid technology system, market system and management system.

How did China develop microgrids in the 12th FYP?

China initiated the development of microgrids during the 12th FYP (2011-2015) with the development of gas-fired distributed energy systems and the integration of small-scale renewable systems with low-voltage power distribution systems (Ali et al., 2017, Xie et al., 2017).

Are there barriers to microgrid development in China?

The microgrid is a new concept in China and may potentially play an important role in enhancing the resilience and sustainability of electricity generation and distribution. However, the development of microgrids faces many challenges. This study examines the barriers to microgrid development using a case study of a pilot zone in Qingdao.

Why are pilot microgrid projects difficult?

Drawing on the theories of multi-level perspective and multi-actor perspective, we presented new empirical evidence on how the pilot microgrid projects were rendered difficult by the resistance from the existing industrial regime and the challenging economic and socio-political environments.

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