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Global solar and energy storage solutions provider Sineng Electric has partnered with Trinasolar to supply its advanced central PCS energy storage solution to the landmark Abydos battery energy storage project in Kom Ombo, Egypt.

Developed by AMEA Power and constructed by Energy China ZTPC, the 300MWh Abydos project marks a significant milestone for clean energy in North Africa, being the region's first utility-scale battery storage system.

This innovative project integrates Sineng's 5MW central PCS MV turnkey stations with the existing 500MW Abydos solar power plant. This integration significantly enhances the plant's efficiency by enabling effective management of solar energy generation. This aligns with Egypt's vision for a sustainable and diversified energy mix.

Sineng's cutting-edge PCS technology boasts advanced thermal management, compatibility with high-power batteries, and multi-layered protection. These features ensure optimal performance, reliability, and safety for the project. Additionally, the innovative design of the PCS contributes to reduced capital expenditure, making it a cost-effective and scalable solution for large-scale projects.

"The Abydos project exemplifies the transformative potential of solar-plus-storage systems in addressing energy challenges," said Zhengmao Jiang, VP of Sineng Electric. "This project also marks a significant milestone for Sineng Electric, as it represents our first shipment of energy storage solutions to the Middle East and Africa, signifying a crucial step in our global expansion. We are delighted to contribute to Egypt's efforts to advance its energy infrastructure, enhance grid stability, and ensure a reliable energy supply."

This collaboration underscores Sineng Electric's commitment to providing innovative and high-quality energy storage solutions to support the global transition to clean energy.