

Pu Neng Spain CENER microgrid and energy storage system research project



The exterior of Pu Neng Spain CENER microgrid and energy storage system research project

Siemens cooperated with Beijing Pu Neng Energy Technology Co., Ltd. to help the National Renewable Energy Centre of Spain (CENER) conduct a microgrid and energy storage research project at Navarre Province of Spain. Siemens delivered a Vanadium Redox Battery (VRB) management system that included Simatic S7-1200, WinCC system, I/O modules, industrial switches, etc. The system could effectively monitor and manage all kinds of parameters of the VRB energy storage system, ensuring the efficient and stable operation of the system. In the future, Siemens will help Pu Neng establish the battery management system data center. With Siemens SINEMA remote communication solutions, along with WinCC system, the center could conduct comprehensive and centralized monitoring and control of the customer's global energy storage system.

The battery management system was put into operation in 2013. Data generated in the project will be used in the research about the microgrid and energy storage system. This will ultimately help drive the application of the renewables in the grid of Spain.