

Supervisory control and data acquisition of substation

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Abstract: Substations play a key role in the power grid, but managing and controlling them effectively remains a challenge. This topic proposes an automation system for monitoring and collecting substation data to improve operational reliability and performance. Through both theoretical and experimental research, this project expects to contribute to optimizing power grid management and developing new technologies in the field of energy automation.

Keywords: Substation monitoring, Data collection, Energy automation, Information technology in electric power, Power grid