



国网信通产业集团
STATE GRID INFO & TELECOM GROUP



Integrating 5G and Edge Computing to Accelerate the Transformation of the Power Sector

The State Grid Information & Telecommunication Group (SGIT) is a subsidiary of the State Grid Corporation of China. SGIT is building a private 5G network based on a 5G Mobile Edge Computing solution, planning to migrate its data from public to private network for transmission and processing, so that data will be better secured; the high bandwidth, low latency, and massive connection of 5G can be fully leveraged; and jobs can be offloaded to the edge and processed with higher performance. SGIT has collaborated with Intel, introducing Intel® Xeon® Scalable processors, Intel® FlexRAN reference architecture, and Intel® Smart Edge. The private 5G based on the new solution has already been deployed and used in several real-world scenarios, receiving positive front-line feedback.

“Private 5G dedicated to the power sector has allowed related business data to be transferred from the public network to a more independent and secure private one, enabling high performance and low latency data processing, while better ensuring information security.

Zhao Xunwei,
senior expert, SGIT

Products and Solutions

[2nd Gen Intel® Xeon® Scalable Processors](#)

[Intel® FlexRAN](#)

[Intel® Smart Edge](#)

Industry

Telecommunications

Organization Size

501-1,000

Country

China

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[Case Study](#)