Pingwei Power Plant Recognized as a 2024 East China Power Grid Advanced Unit for Network Security in Monitoring Systems

On January 13, 2025, it was announced that Pingwei Power Plant received the honor of being named a 2024 East China Power Grid Advanced Unit for Network Security in Monitoring Systems.

In 2024, the plant consistently enhanced its network-connected equipment protection capabilities and improved the cybersecurity of its power monitoring systems. It conducted thorough emergency drills for network-related incidents and achieved a full year without any abnormal data submissions to dispatching agencies or cybersecurity incidents.

The plant proactively planned and meticulously executed technical upgrades for network-connected equipment. This included a complete replacement of remote communication devices and NCS station-level switches with domestically produced, secure, and controllable products. These devices, including their operating systems and chips, passed evaluations by the China Information Technology Security Evaluation Center, significantly strengthening the network security of connected equipment. As a pilot unit, the plant successfully installed and debugged trusted authentication devices, building a trusted computing environment through host trust verification. This enabled the effective identification of unauthorized malicious software installations and operations. Simultaneously, the plant deployed a malicious code protection system, log auditing tools, and operation and maintenance bastion hosts. These enhancements provided comprehensive monitoring of NCS servers and enabled secure maintenance operations via the bastion hosts, further elevating the cybersecurity of the power monitoring system.

In 2025, the network security team will actively participate in the Phase IV expansion of

Pingwei Power Plant. It will work closely with the power grid's network security specialists to ensure the safe and reliable integration of dispatch automation and cybersecurity equipment into the grid, contributing to the plant's high-quality development.