



供货范围

间隔级控制层

● SICAM(SAT)自动化系统

数据处理及通信装置SICAM(SAT) AK 1703:

- 2套基于多处理器体系结构的数据处理及通信装置SICAM(SAT) AK 1703用来实现与各级调度的远动通信及数据网通信功能
- 远动通信MODEM及通道防雷保护器
- 数据处理及通信装置屏

I/O测控单元SICAM(SAT) AM 1703:

- 46个SICAM(SAT) AM 1703 I/O测控单元
- 25面I/O单元屏柜

西门子为华东电网500kV杭北变电站项目提供计算机监控系统。目前,杭州北部区域存在较大的电力缺口,500kV杭北变电站,作为浙江省电网建设的重点工程,建成后将直接改善杭州市电网供电电源不足的问题。该项目采用了SICAM(SAT) AK 1703及SICAM(SAT) AM 1703变电站自动化产品。整个计算机监控系统采用了分层分布式和开放式的网络体系结构。站控层和间隔层网络均为双以太网冗余结构,大大的提高了城北地区的供电可靠性。

同类产品在浙江电网的项目还有:500kV嘉善变电站、500kV舜江变电站、500kV温东变电站、500kV温南变电站、500kV义乌变电站、500kV宁海变电站、500kV台南变电站、500kV余姚变电站等。

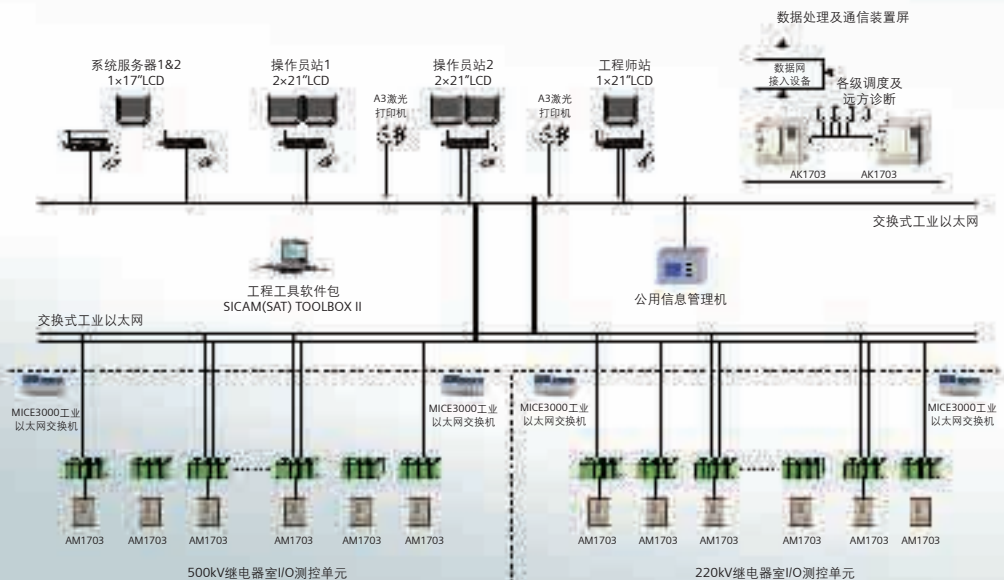
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系统配置图



500kV杭北变电站计算机监控系统项目

采用分布式、开放式的双以太网结构确保供电可靠性

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The substation automation system of 500kV North-Hangzhou substation project owned by East-China Power Grid is provided by Siemens. Nowadays, there exists a big lack of power in the area of north-HangZhou. As a momentous power grid construction project of Zhejiang province, after the 500kV North-HangZhou substation has been built up, the problem that there is no enough power source in Hangzhou city will be solved directly. This project will adopt substation automation devices SICAM(SAT) AK1703 and SICAM(SAT) AM 1703. The substation automation system, with usage of distributed and open network topology structure and adoption of dual-Ethernet redundant structure from the station control level to the bay control level, strengthens the reliability of power supply in north urban area.

Similar projects in Zhejiang province: 500kV Jiashan substation, 500kV Sunjiang substation, 500kV Wendong substation, 500kV Wennan substation, 500kV Yiwu substation, 500kV Ninghai substation, 500kV Tainan substation, 500kV Yuyao substation.

Siemens Ltd., China, Power Transmission and Distribution, Energy Automation

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Scope of supply

Bay Control Level

- SICAM(SAT) Automation System

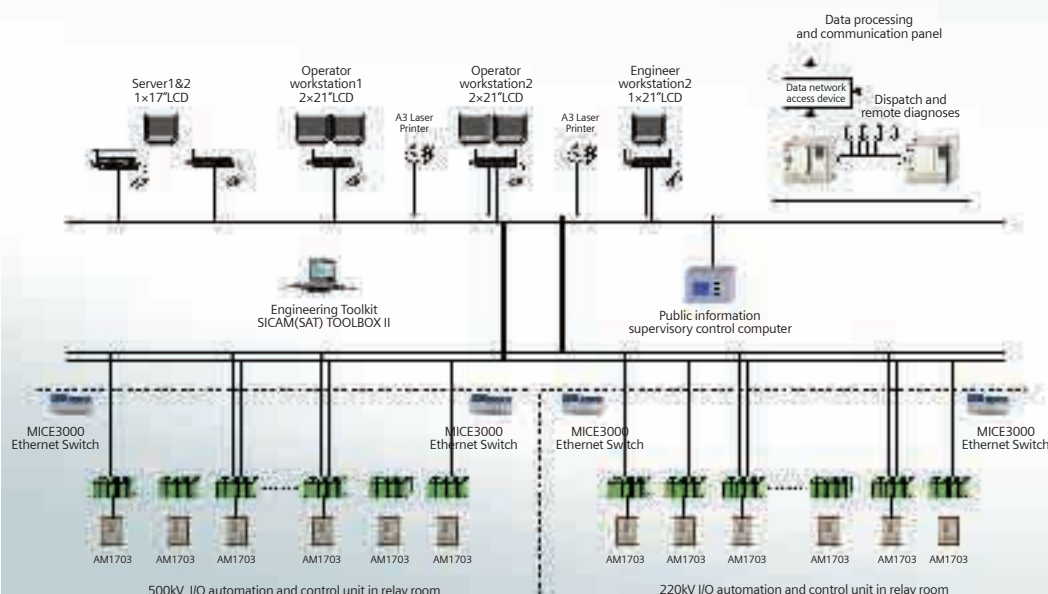
Data processing and communication device SICAM(SAT) AK1703:

- Implement the remote communication by means of two SICAM (SAT) AK1703 data processing and communication devices based on multi-processor system
- MODEM for remote communication and lightningproof device
- Data processing and communication panel

I/O automation and control unit SICAM(SAT) AM1703:

- 46 SICAM(SAT) AM 1703 I/O automation and control units
- 25 I/O unit panels

System configuration framework



Hangbei 500kV Substation Automation Project

**Distributed, Open and Dual-Ethernet Redundant Network
Structure Ensures Reliability of Power Supply**

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