



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:

- 42个SICAM(SAT) AM 1703 I/O测控单元
- 29面I/O单元屏柜

在浙江省电力公司2006年第二次集中规模招标采购中，西门子成功中标500kV丽水变电站计算机监控系统项目。该项目是西门子公司继500kV杭北变电站项目之后，在浙江获得的又一个500kV高压监控项目。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，保证了站控层网络通信可靠性。同类产品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。

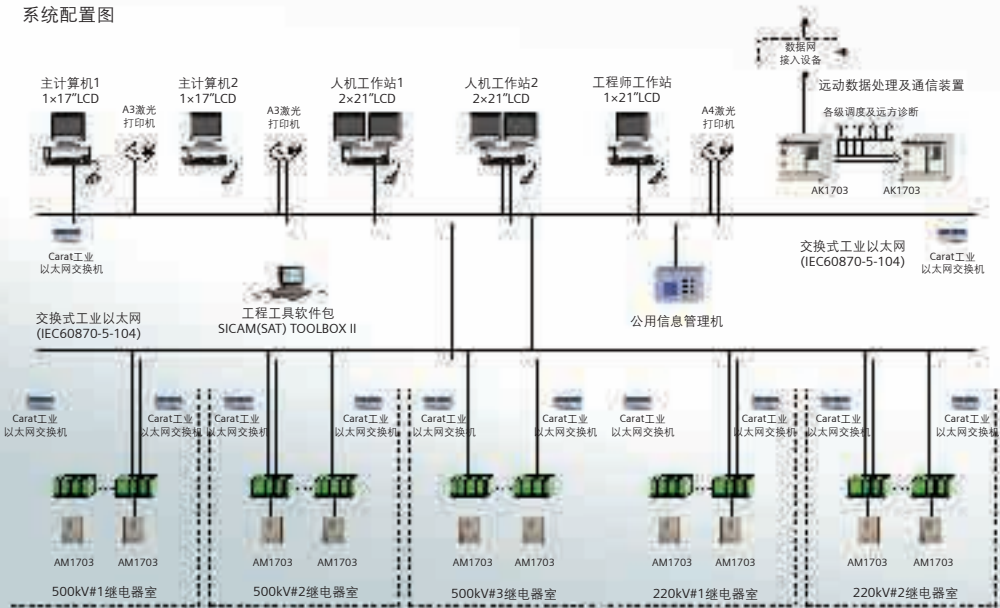
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系统配置图



注：站控层及各继电器小室内的交换机按变电站远景规模配置

500kV丽水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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In the second package bidding invitation of Zhejiang power company in 2006, Siemens successfully hits the substation automation system project of 500kV Lishui substation automation. This is another 500kV HV substation automation project in Zhejiang province following the 500kV North-Hangzhou substation automation project. It will also adopt SICAM(SAT) AK 1703 and SICAM(SAT) AM 1703 substation automation products. 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, ensures the reliability of the network communication. Similar projects in Zhejiang province: 500kV Hangbei substation, 500kV Jiashan substation, 500kV Sunjiang substation, 500kV Wendong substation, 500kV Wennan substation, 500kV Yiwu substation, 500kV Ninghai substation, 500kV Tainan substation, 500kV Yuyao substation.

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Scope of supply

Bay Control Level

● SICAM(SAT) Automation System

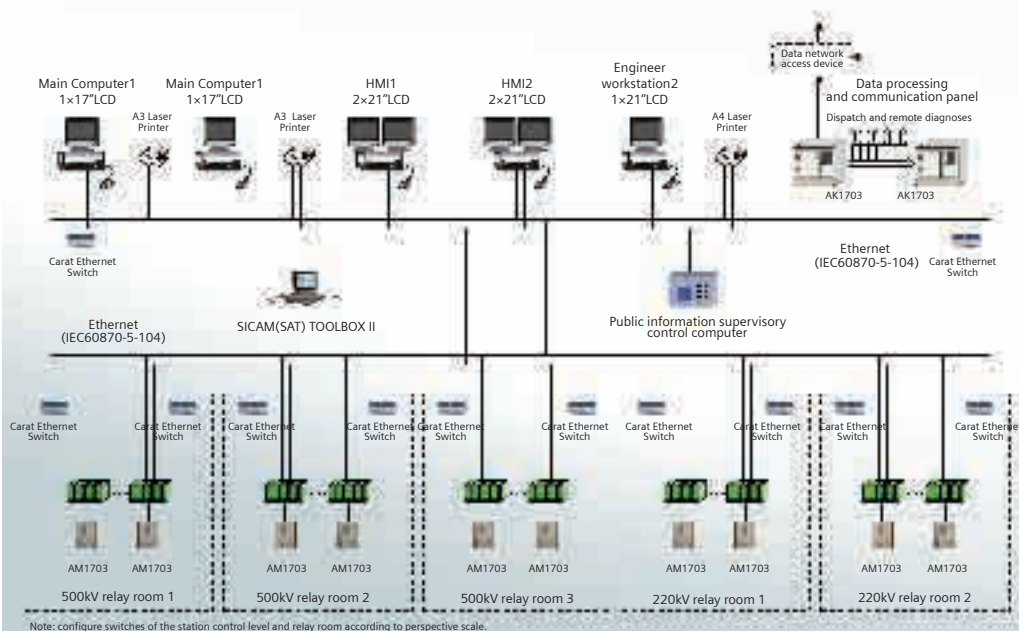
Data processing and communication device SICAM(SAT) AK 1703:

- Implement the remote communication by means of two SICAM(SAT) AK 1703 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) AM 1703:

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

System configuration framework



Lishui 500kV Substation Automation System Project

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

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