



内蒙古500kV永圣域变电站是华北电网样板工程。整个计算机监控系统采用了分层分布式的、及开放式的网络体系结构。站控层网络为双以太网结构，间隔层则采用了现场总线的方式。布置在各继电器小室内的I/O测控单元SICAM(SAT) AM 1703经由两个互为热备用的现地控制单元SICAM(SAT) AK 1703实现与站控层后台系统的通信功能。两台SICAM(SAT) AK 1703通过冗余的、独立的接口与所有第三方设备进行通讯。

西门子(中国)有限公司
输配电集团能源自动化

中国南京江宁开发区诚信大道88号华瑞工业园4幢
邮编: 211100
电话: 86 25 52120188 传真: 86 25 52114982

销售联络

北京 电话: 86 10 64763842
上海 电话: 86 21 24085218
成都 电话: 86 28 86199499 分机: 4005
武汉 电话: 86 27 85486688 分机: 5009
广州 电话: 86 20 87320088 分机: 2571
深圳 电话: 86 755 26935188 分机: 3311
杭州 电话: 86 571 87652999 分机: 6013
济南 电话: 86 531 82666088 分机: 6506
福州 电话: 86 591 87500888 分机: 5800
西安 电话: 86 29 88319898 分机: 6626

供货范围

站级控制层
SICAM(SAT) 250 SCALA后台系统

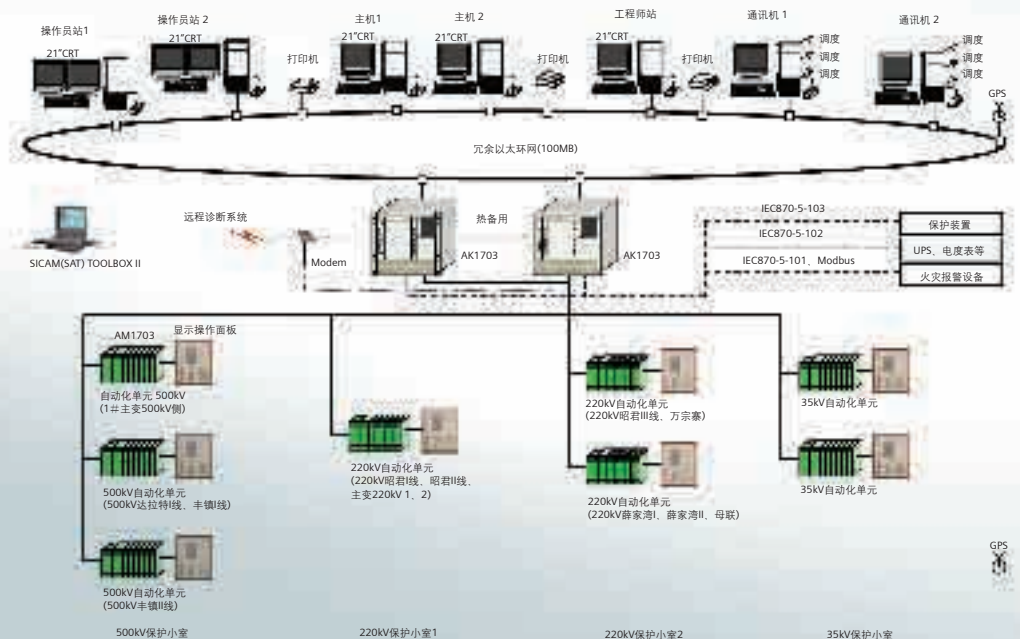
I/O测控单元SICAM(SAT) AM 1703:

- 25个SAT AM 1703 I/O测控单元
- 16面I/O单元屏柜

间隔级控制层

现地控制单元SICAM(SAT) AK 1703:

- 2套基于多处理器体系结构的现地控制单元SICAM(SAT) AK 1703用来实现间隔层I/O测控单元与站控层后台系统之间的通信功能
- 双机自动切换装置



内蒙古500kV永圣域变电站 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

www.siemens.com.cn/ea

SIEMENS



Yongshengyu 500kV substation, for which SICAM(SAT) provided substation automation system, is in Inner Mongolia. The system makes use of distributed and open network topology structure.

The substation control level applies dual-Ethernet redundant network structure and the bay control level adopts field bus. The SICAM(SAT) AM 1703 I/O automation and control units distributed in all relay rooms can carry out the communication with the substation control level via two parallel SICAM(SAT) AK 1703 LCUs. The redundant SICAM(SAT) AK1703 communicate with all the third-party devices via their redundant and independent interfaces.

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

Siemens Power Automation Ltd.
Building 4, Hua Rui Industry Park,
88 Cheng Xin Avenue, Jiangning Economic &
Technological Development Zone
Nanjing, China 211100
Tel: 86 25 52120188 Fax: 86 25 52114982

Sales Contacts

Beijing Tel: 86 10 64763842
Shanghai Tel: 86 21 24085218
Chendu Tel: 86 28 86199499 ext: 4005
Wuhan Tel: 86 27 85486688 ext: 5009
Guangzhou Tel: 86 20 87320088 ext: 2571
Shengzhen Tel: 86 755 26935188 ext: 3311
Hangzhou Tel: 86 571 87652999 ext: 6013
Jinan Tel: 86 531 82666088 ext: 6506
Fuzhou Tel: 86 591 87500888 ext: 5800
Xian Tel: 86 29 88319898 ext: 6626

Scope of supply

Station Control Level
SICAM(SAT) 250 SCALA system

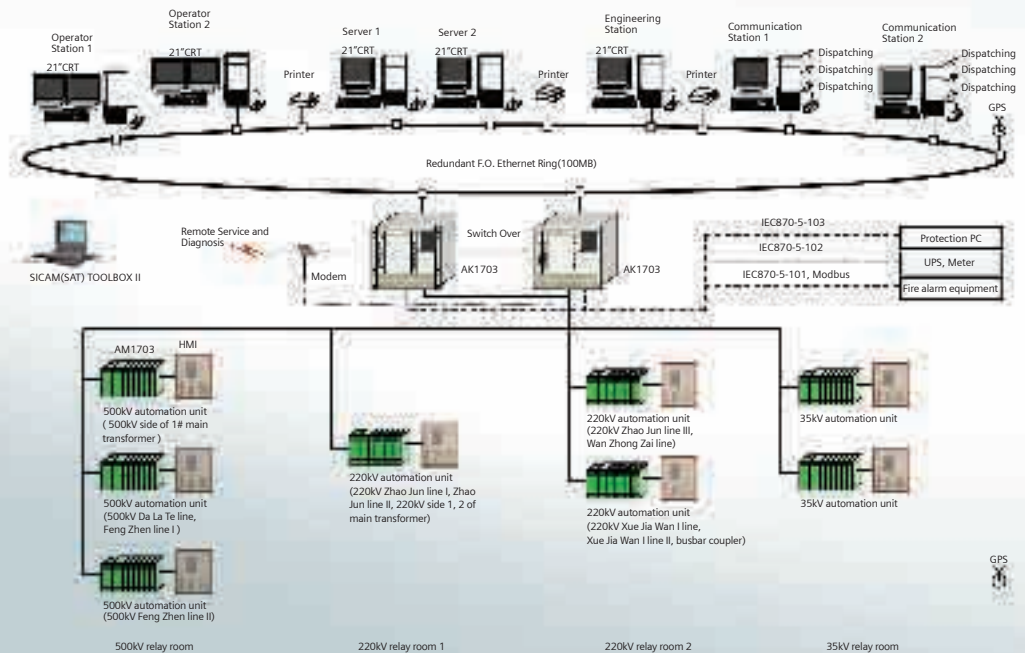
I/O automation and control unit SICAM(SAT) AM1703:

Bay Control Level

LCU SICAM(SAT) AK 1703:

- Make use of two SICAM(SAT) AK 1703 data processing and communication devices based on multi-processor system to implement the remote communication between the I/O automation and control unit and the substation control level.
- Device for automatic switch.

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



Inner Mongolia 500kV Yongshengyu Substation Automation System Project

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

www.siemens.com.cn/ea

SIEMENS