

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) AK 1703:

- 6个SICAM(SAT) AK 1703 I/O测控单元
- 6面I/O单元屏柜

间隔级控制层

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

SICAM(SAT)产品成功应用在上海外高桥第三发电厂500kV升压站计算机监控系统。整个系统分为站级控制层和间隔级控制层。站级控制层采用的是SICAM(SAT) 250 SCALA后台机系统。系统网络结构为双工业以太网。通过两台平行运行、并互为热备用的数据处理及通信装置SICAM(SAT) AK1703完成与各级调度的远动通信及数据网通信功能。间隔层I/O测控单元SICAM(SAT) AK1703按电气单元配置，每个测控单元均按自身冗余的方式配置。

同类产品电厂升压站的业绩还有：

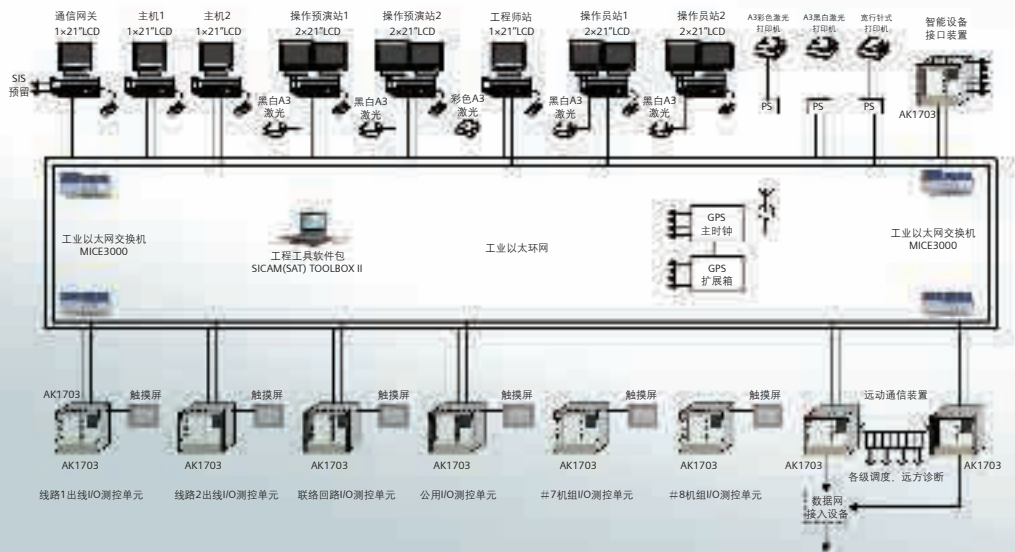
浙江玉环电厂(4×1000MW机组)、上海外高桥第二发电厂(2×900MW机组)、浙江乐清电厂(4×600MW机组)、安徽田集电厂(2×600MW机组)、上海漕泾电厂(4×300MW机组)等。(间隔级控制层也采用SICAM(SAT) AM1703作为间隔级测控单元，灵活的系统结构满足中国用户各种不同要求。)

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上海外高桥第三发电厂 2×1000MW超超临界燃煤发电机组项目 500kV升压站网络计算机监控系统

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Scope of supply

Station Control Level
SICAM(SAT) 250 SCALA system

I/O automation and control unit SICAM(SAT) AK1703:

Bay Control Level

Data processing and communication device SICAM(SAT) AK1703:

- 6 SICAM(SAT) AK1703 I/O automation and control units
- 6 I/O unit panels

- Make use of two SICAM(SAT) AK1703 data processing and communication devices based on multi-processor system to implement the remote communication with all levels of dispatches and data networks.
- MODEM for remote communication and lightningproof device.
- Data processing and communication panel

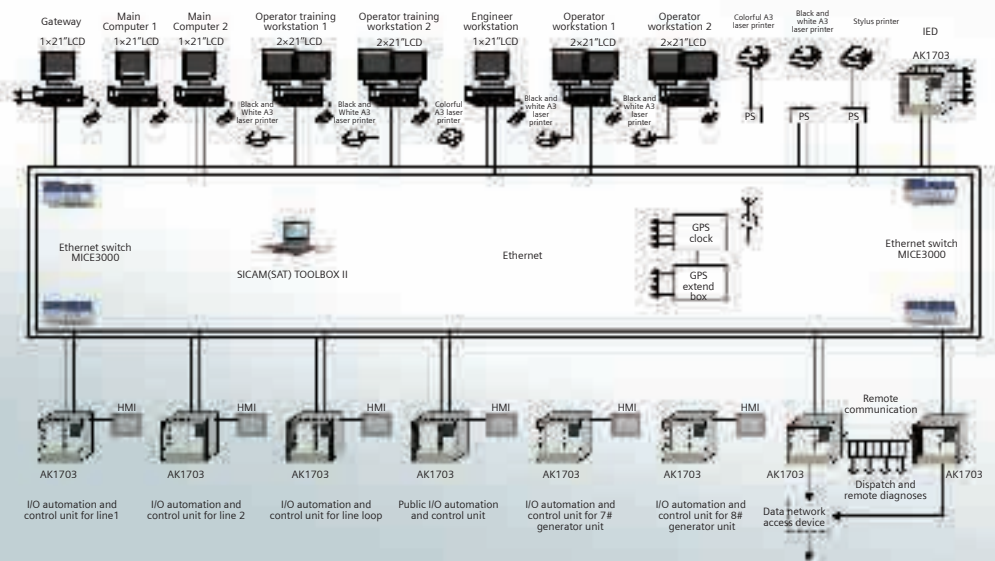
The substation automation system manufactured by SICAM(SAT) has been successfully operating in the 500kV substation of Wai Gao Qiao third power plant in Shanghai. The substation control level applies SICAM(SAT) 250 SCALA system with adoption of dual-Ethernet redundant network structure. It can carry out the remote communication with all levels of dispatch and data network by means of two parallel AK1703 data processing and communication devices; the bay control level configures AK1703 I/O automation and control units according to corresponding electric unit. The similar products in power plant substation: Zhejiang Yuhuan PP (4X1000MW generator units); Shanghai Waigaoqiao second PP (2X900MW generator units); Zhejiang Leqing PP (4X600MW generator units); Anhui Tianji PP (2X600MW generator units); Shanghai Caojing PP (4X300MW generator units) etc. (SICAM(SAT) AM1703 also can be adopted as local automation unit, in order to meet chinese customer's request.)

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Shanghai Wai Gao Qiao No.3 Power Plant (2x1000MW) Project 500kV Substation Automation System

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