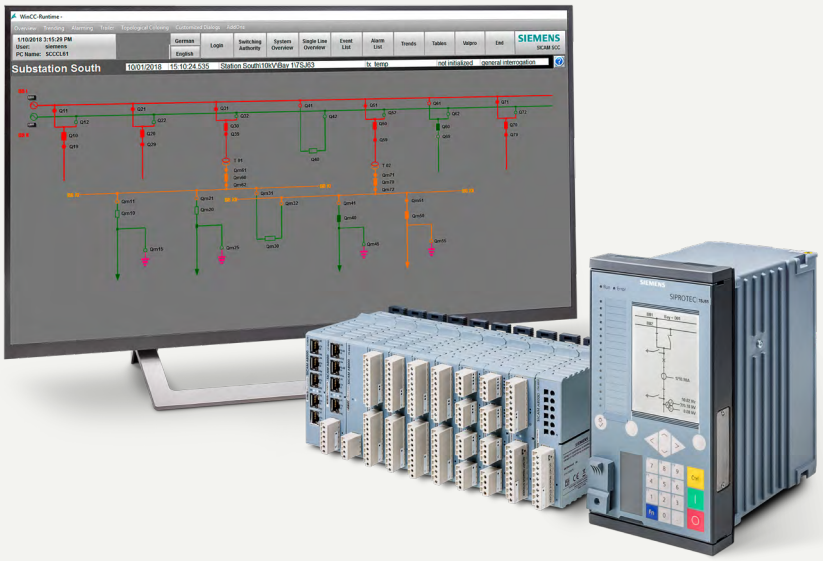
SIEMENS



ELECTRIFICATION & AUTOMATION

Human-Machine Interface (HMI) for power automation systems: SICAM SCC

siemens.com/sicam-scc

SICAM SCC (Station Control Center) is a SCADA system that enables efficient monitoring, control, and data collection in energy distribution and automation.
It can be used regardless of the specific station control technology and is compatible with systems such as SICAM 8, among others. SICAM SCC allows direct communication with field and protection devices, and serves as a cross-device HMI (Human-Machine Interface) system.

Highlights

- Encrypted connection with IEC 61850
- Up to 2000 image objects and measurement objects in one full world view
- From small to large switchgear systems
- Display of plant images in the web client without additional configuration outlay

Benefits

- Platform Independence: Can be deployed on various hardware platforms and virtual systems
- Scalability: Adaptable to the size and needs of various applications
- User Friendliness: Intuitive interface that simplifies management and control
- Integration of Various Systems: Incorporates a wide range of technologies and field devices
- Enhanced Data Analysis: Optimized through detailed data evaluations

SICAM SCC – based on SIMATIC WinCC

Common HMI for SICAM and SIMATIC SICAM SCC is based on the SIMATIC WinCC system, one of the world leading process visualization systems, adding the functions required for use as substation operating system of the electric process in high-voltage and medium-voltage systems. The compatibility with SIMATIC WinCC allows SICAM SCC to be used as an add-on together with SIMATIC WinCC on one computer. This enables an integrated system solution for visualizing and controlling the industrial manufacturing processes using SIMATIC automation devices (e.g. S7 and PCS7) and the electric energy process (e.g. SICAM PAS).

Applications

- **Ensuring power quality**
  To avoid fluctuations in power quality and prevent disturbances, grid monitoring, control, and automation systems need to be adapted and optimized across all voltage levels
- **Maintaining control of distributed power producers**
  Identifying, locating, and eliminating disturbances and faults as well as the flexible, quick balancing of power production and load consumption require integrated hardware and software solutions that work smoothly together
- **Intelligent technologies for stable grids**
  Automation solutions and remote control technology enhance the reliability of distribution grids
- **Keeping your grids up and running despite outages**
  Flexible solutions for local and remote monitoring enable the fast and efficient restoration of cable grids and overhead lines
- **OPEX savings for municipalities and DSOs**
  With modern technologies and innovative solutions such as optimized voltage and capacity management

Basic features

- Alarm and event list
- Archiving
- Advanced trend charts
- World view
- Command element
- Picture alarm element
- VBS / C script language
- Communication via IEC 60870-5-104 and IEC 61850
- Multi-touch controls
- Link to SICAM 8 SWS, A8000, PAS, SIPROTEC 5

HMI / SCADA options

- Topological coloring
- Remote alarming (SMS, e-mail)
- Network technology (client-server redundancy, multiserver multiuser system, Web clients)
- Full support for SIMATIC
- Dynamic alarm filter
- Secure communication
- Network monitoring (SNMP)
- Traceability of all user actions (Audit)

Encrypted connection with IEC 61850

- Asymmetric encryption method
- TLS encryption of communication (TLS security, T-profile)
- TLS + authentication of users (ACSE Authentication, A-Profile)
- Certificates manually imported or automatically updated via EST communication (EST = Enrollment via Secure Transport)

↗ Online Shop - Industry Mall

↗ SICAM SCC brochure

↗ Webinars for electrification and automation

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