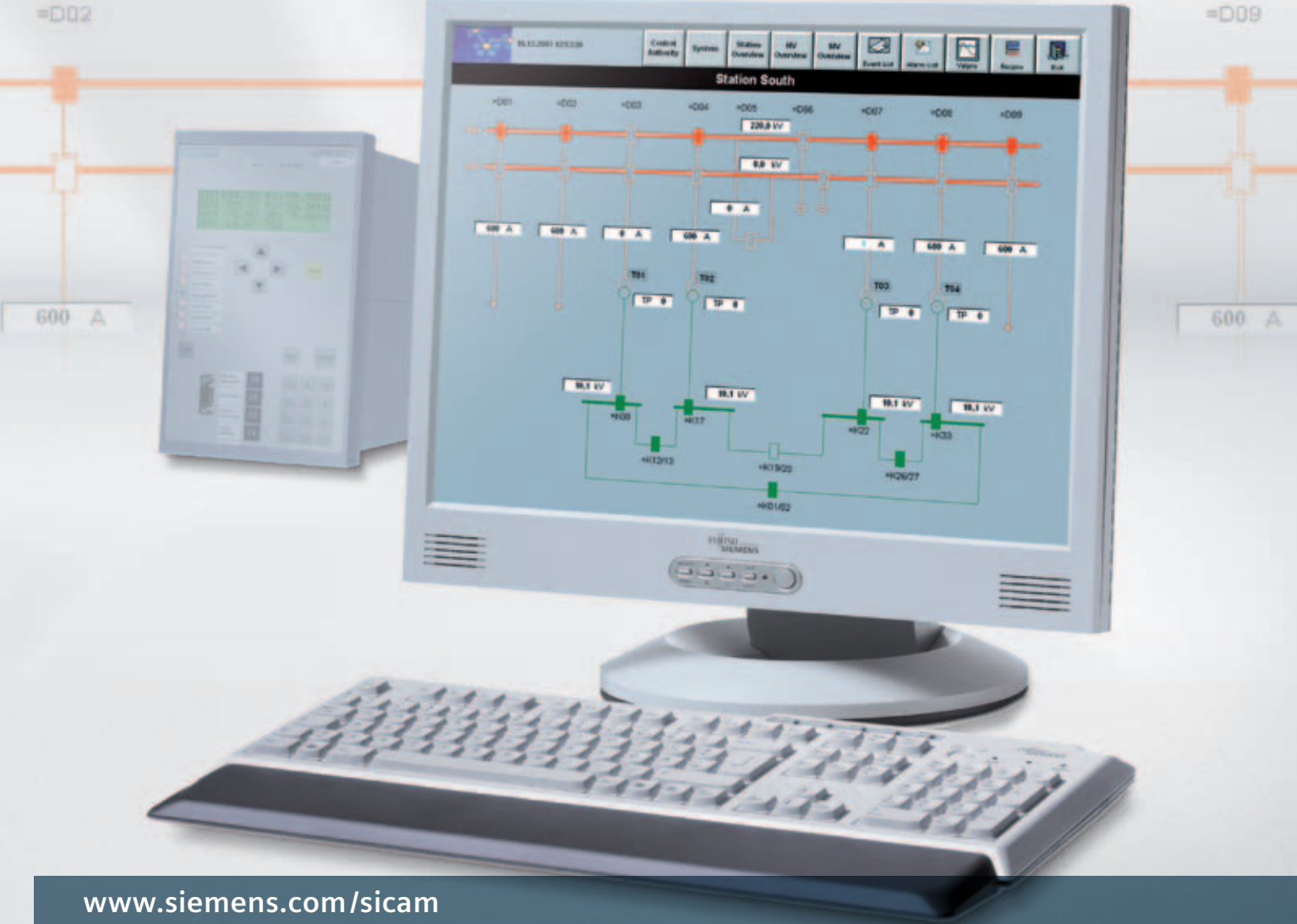


SIEMENS



www.siemens.com/sicam

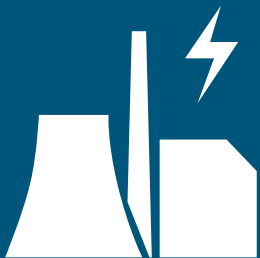
SICAM SCC

Systematic operation and monitoring

Answers for infrastructure and cities.

Small component – big perspectives: your SICAM SCC station control center

Power grid operation is growing more and more dynamic. To equip themselves for the demands of tomorrow, energy companies are seeking longer-lasting system components and applying exacting standards for control, protection, and telecontrol.



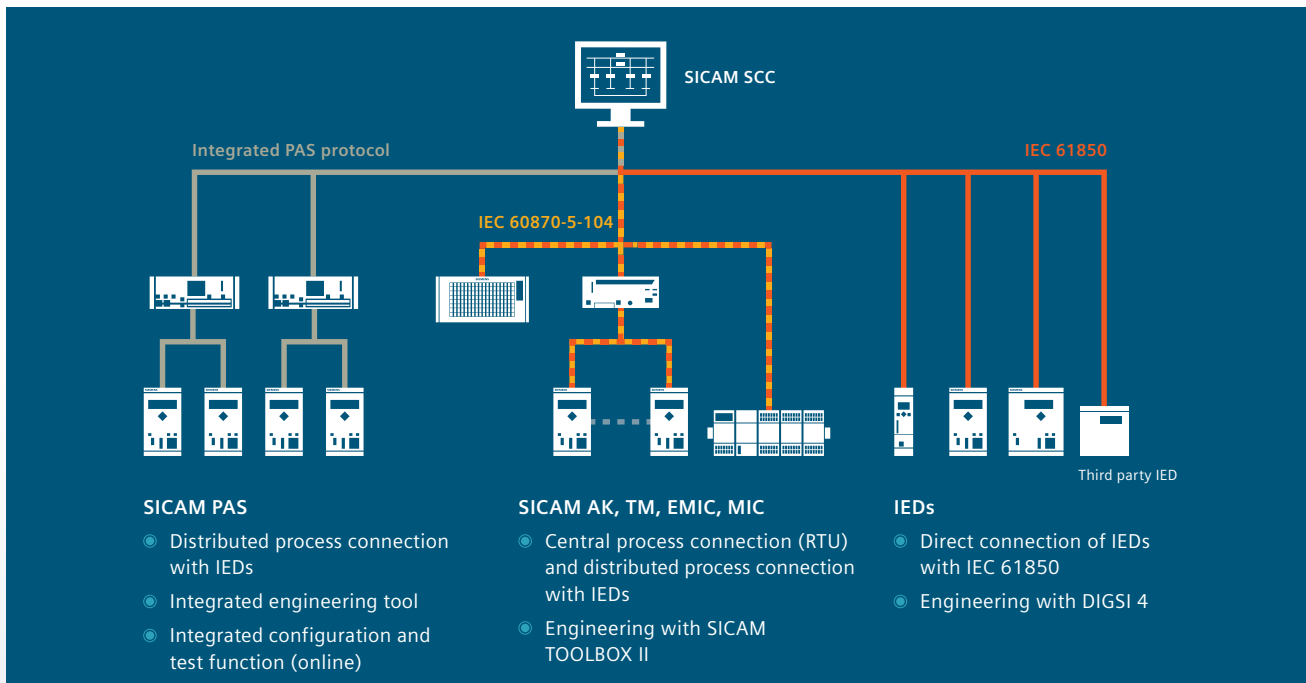
Siemens is the pioneer in flexible, custom solutions in energy automation. Our extensive product portfolio and many years of experience allow us to offer innovative solutions for all voltage levels and every substation. You benefit from affordable investments and efficient operation – without giving up security and reliability. See for yourself with our forward-looking concepts.

SICAM SCC: crystal clear

Never before has station control technology been so important. The SICAM SCC Station Control Center gives you a crystal-clear visualization of your electrical energy distribution and transmission systems. Enjoy security, convenience, and flexibility in how you run your operations – today and in the future.

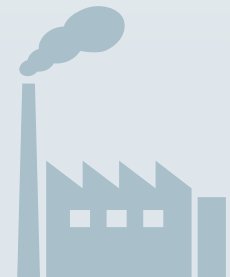


One portfolio – many solutions: your flexible station automation



Flexible configuration: the right solution for every process

- Human machine interface (HMI) system for SICAM PAS as a station control center, communication gateway, and automation component
- HMI for SICAM AK, TM, EMIC, and MIC with all functionalities
- Equipment-neutral HMI without any extra station control device: the field and protection equipment – including those from other manufacturers – is connected directly to SICAM SCC through the communication standard IEC 61850.



One system – many advantages: your successful process control

Sophisticated to the core: rely on WinCC

At its core, SICAM SCC uses one of the world's leading process visualization systems: SIMATIC WinCC. We developed SICAM SCC as an add-on so that the electrical processes in both high- and medium-voltage systems could be operated from one station.

It runs together with SIMATIC WinCC on one computer. This integrated solution gives you a parallel overview and control of both the industrial manufacturing process and the electrical energy process.

Management made easy: everything under control

SICAM SCC is tailor-made to optimize operations in the energy industry. The clear, user-friendly display of equipment operating states is helpful to new users. Event lists and the graphical process model show specific attributes of the high- and medium-voltage switchgear in control and monitoring mode (double commands and indications). This enables precise control and lets you quickly identify disturbances – for maximum operational safety.

Comprehensive log: just in case

- Event lists with original timestamps in millisecond accuracy from the point of origin
- Logging of all command and process indications
- Information on source of transaction (NEAR, SITE, FAR)
- Additional information for each indication displayed

This way, you always have access to all transaction data and can easily trace any event.

Smart combination: more features with SICAM PAS

Using SICAM SCC and SICAM PAS together gives you additional station control features:

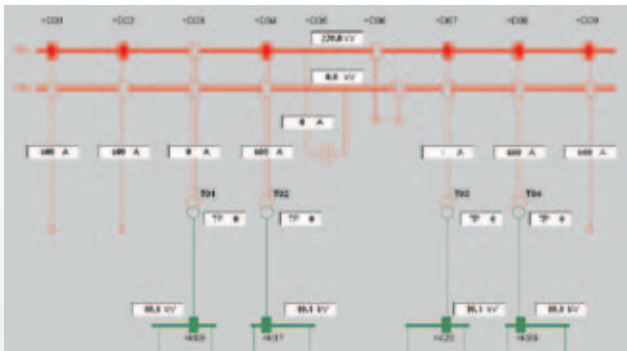
- Switching authorities: assign switching authorities – for different voltage levels, for example.
- Telecontrol blocking: block status changes from being transmitted to the higher-level control center when station maintenance is in progress.
- Bay blocking: block the exchange of information with field equipment so that status changes even at the station control level are neither automated nor visualized and also not transmitted to the control center.



Big picture – small effort: your convenient visualization

Clear display: always in the know

In full-graphic process images, you can control the switchgear devices either directly or “select before operate.” Single-line images tell you at a glance where in the system something is happening: topological coloring provides orientation, while setpoint and spontaneous flashing and other graphical features draw your attention immediately to important process, equipment, and communication statuses (switchgear actions, switchgear status changes, bay and telecontrol blocking, up-to-date or not up-to-date, etc.).



Fast engineering: wizards make it possible

Data exchange with a linked substation often involves several thousand indications, measurement readings, and commands. SICAM SCC makes project planning with this information extremely simple: wizards import the necessary description of the process data provided by the project planning tools of the station control technology (such as SICAM PAS UI Configuration and SICAM TOOLBOX II). The process is the same with SCD files for directly linked IEC 61850 devices. This way, you don't need to enter data twice – saving time with engineering.



Siemens Power Academy: we train you

The Siemens Power Academy offers a comprehensive program of professional workshops in the fields of energy production, distribution, and transmission. Select the training program and location that is right for you in our 31 training centers around the world. And if you like, we will be happy to come to you and train your staff on site.

Further information can be found at:
www.siemens.com/poweracademy



Published by and copyright © 2012:

Siemens AG
Infrastructure & Cities Sector
Smart Grid Division
Energy Automation
Humboldtstr. 59
90459 Nuremberg, Germany
www.siemens.com/sicam

For more information,
please contact our
Customer Support Center.
Phone: +49 180 524 84 37
Fax: +49 180 524 24 71
(Charges depending on the provider)
E-mail: support.ic@siemens.com

Order No. IC1000-G220-A141-X-4A00 | Printed in Germany | AL=N ECCN=N
Dispo 06200 | c4bs No. 768
HL 12077202 WS 09121.0
© 10.2012, Siemens AG

Printed on elementary chlorine-free bleached paper.
All rights reserved.
Trademarks mentioned in this document are the property
of Siemens AG, its affiliates, or their respective owners.

Subject to change without prior notice.
The information in this document contains general descrip-
tions of the technical options available, which may not
apply in all cases. The required technical options should
therefore be specified in the contract.