

SIMARIS CONTROL – PART OF SIEMENS XCELERATOR

# Digital Intelligence for your power distribution systems



**SIEMENS**

# **SIMARIS control:** Unlock the full potential of field devices

As an operator or maintainer of a power distribution system, the implementation of digitalization is becoming more important than ever. During the present data-driven transformation, it is crucial to leverage the performance insights of the devices and take decisive action in real time to minimize or even completely prevent downtime.

The electrical power distribution systems and motor control centers encompass medium-voltage switchgear, low-voltage switchboards, and transformers. These assets contain a variety of intelligent field devices, including sensors, measuring devices, and protection relays, and these are excellent source of meaningful data.

SIMARIS control – as an intuitive and intelligent on-premise system – helps operators and maintainers unlock the full potential of field devices by gathering all the relevant information and converting it into meaningful insights.

**[siemens.com/simaris-control](https://www.siemens.com/simaris-control)**

## Your benefits

- **One integrated system with easier & faster identification of incidents** due to in-app alarm & email notifications
- **More flexibility** in local operations with local control & monitoring functions
- **Higher system availability** thanks to health index functionality for accurate condition monitoring of the system
- **Ease of maintenance** with digital documentation and maintenance logbook
- **Saves costs and space** for various monitoring devices in the switchboard by displaying power flows and electrical measured values
- **Easy integration** with a cloud-based system
- **Parallel independent** operation with a higher-level control system (DCS/E-SCADA)



**SIMARIS control is part of the curated and modular Siemens Xcelerator portfolio. Siemens Xcelerator is an open digital business platform that enables customers to accelerate their digital transformation easier, faster and at scale.**

# Digitalize now, with SIMARIS control!

## Manage your power distribution systems more efficiently for a sustainable future

Start your digitalization journey with a state-of-the-art tool to monitor and manage your electrical power distribution systems, from medium-voltage switchgear to low-voltage switchboards and transformers. Installed as an integral part of your switchgear, SIMARIS control supports you with comprehensive information, reliable diagnostics, health status indications, and energy monitoring. The information simplifies your analysis and improves operational efficiency by taking preventive and predictive actions based on the device statistics and health status information. Your operational data will be available and stored safely within your company premises so that you can have complete control over your data – and peace of mind. With SIMARIS control, you can monitor the energy data and manage your switchgear to contribute to a sustainable future.

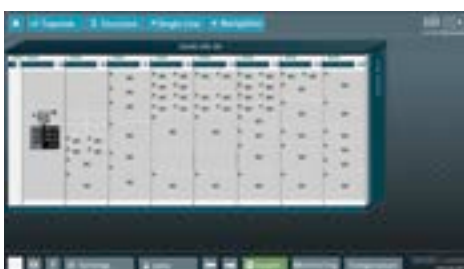
Discover our video tutorials at  
[siemens.com/simaris-control](https://www.siemens.com/simaris-control)



Electrical power distribution systems,  
from medium-voltage to low-voltage



Energy monitoring



Low-voltage switchboard (SIVACON S8<sup>plus</sup>)



Low-voltage switchboard – Health status



Medium-voltage switchgear



Medium-voltage switchgear – Health status

# Speed up your digitalization Journey with SIMARIS control in five basic steps!

SIMARIS control incorporates the individual field devices and sensors into a single integrated system and assists you with five basic functions.





**Record data – make the most of communication-capable devices!**

- Collect operational as well as statistical data from the field devices
- The data collected from all your field devices and sensors will be stored on-site for secure and reliable data analytics
- Parallel and independent communication to field devices without disturbing the communication to process control system



**Visualize data – get a quick and sound overview of assets!**

- Create a comprehensible graphic representation of the system – the digital twin of your power distribution systems
- Monitoring of measurements, statistical information, health status, and alarms & trends
- Energy monitoring & user-defined dashboards
- See everything you need to know about your assets – with intuitive touch control



**Analyze data – easily recognize correlations!**

- Get your operational diagnostics with the device health status information
- Run on-premise analytics based on condition monitoring data for faster and more reliable results
- Do trend analysis based on current and historical data
- Independent of the higher automation system or cloud-based application



**Manage switchboards – experience your advantages live!**

- User authorization for secure management
- Documentation always on hand (parts lists, circuit diagrams, device manuals, and more)
- Assign and manage your maintenance task digitally and keep the maintenance track records
- Plan predictive maintenance based on reliable statistical information



**Transfer data – tap the potentials of information exchange!**

- Transfer your substation data to higher-level systems and take advantage of cloud-based analysis
- Integrate your power distribution systems into a comprehensive energy management system or into an overall strategy for predictive maintenance
- Integrate with E-SCADA/DSC system to provide device health status information
- Auto-generated e-mail notification for alerts and warnings

**Published by  
Siemens AG**

Smart Infrastructure  
Electrification & Automation  
Mozartstrasse 31c  
91052 Erlangen  
Germany

**For the U.S. published by  
Siemens Industry Inc.**

100 Technology Drive  
Alpharetta, GA 30005  
United States

For more information,  
please contact our  
Customer Support Center:  
Phone: +49 9131 1743072  
(Charges depending on provider)  
E-mail: support.ea.si@siemens.com

Article No. SIEA-B10096-00-7600  
TH S24-230289 BR 0823  
© Siemens 2023

Subject to changes and errors.

The information given in this document only contains general descriptions and/or performance features which may not always specifically reflect those described, or which may undergo modification in the course of further development of the products. The requested performance features are binding only when they are expressly agreed upon in the concluded contract.

All product designations may be trademarks or product names of Siemens AG or other companies whose use by third parties for their own purposes could violate the rights of the owners.

[siemens.com/simaris-control](https://www.siemens.com/simaris-control)

Find out  
more

