

SIMARIS CONTROL

Digital twin of your power distribution



SIEMENS

SIMARIS control – On-site digital twin of your substation

Your substation as part of the digital ecosystem

As an operator or maintenance team member at a power distribution system, the implementation of digitalization brings different challenges. During the present data-driven transformation, it's crucial to leverage performance insights and take decisive action in real time to minimize or even completely prevent downtime.

SIMARIS control: Unlock the full potential of field devices

In electrical substations, medium-voltage switchgear and low-voltage switchboards contain a variety of intelligent field devices, including measuring devices, sensors, and protection relays. These are an excellent source of meaningful data.

SIMARIS control – as an intuitive and intelligent interface – helps operators and maintenance teams unlock the full potential of field devices.

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

Your benefits

- **Saves up to 20 percent of memory space and resources** in the DCS/SCADA system by making local recordings of measured values
- **Saves up to 50 percent of costs and space** for various monitoring devices in the switchboard by displaying power flows and electrical measured values
- **Up to 40 percent more flexibility in local operation** thanks to control and parameterization functions
- **Higher system availability** thanks to health index functionality for optimal maintenance planning
- **Parallel independent operation** with a higher-level control system (DCS/E-SCADA)
- **Easy integration** of the SIMARIS control tool into the IT infrastructure and into higher-level automation or cloud-based analysis systems: for example, Mindsphere

Digitalize now, with SIMARIS control: Operate/manage your substation more efficiently

Start your digitalization journey with a state-of-the-art tool for controlling and monitoring electrical power distribution assets, from medium-voltage switchgear to low-voltage switchboards and transformers. SIMARIS control supports you with reliable diagnostics, comprehensive information, parameterization, and control functions. The information simplifies your analysis and improves operational efficiency. Your operational data will be available and stored safely on your company premises so that you have complete control over your data – and peace of mind.

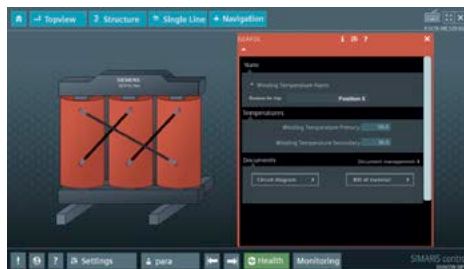
Discover our video tutorials at [siemens.com/simaris-control](https://www.siemens.com/simaris-control)



Power distribution, from medium-voltage to low-voltage



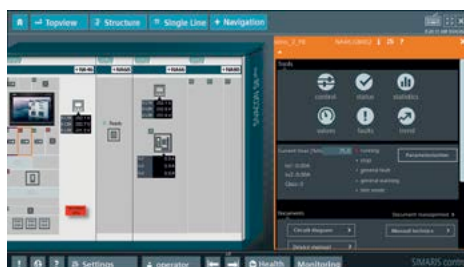
Medium-voltage switchgear with SIPROTEC 5 protection relay



Transformer



SIVACON S8^{plus} low-voltage switchboard



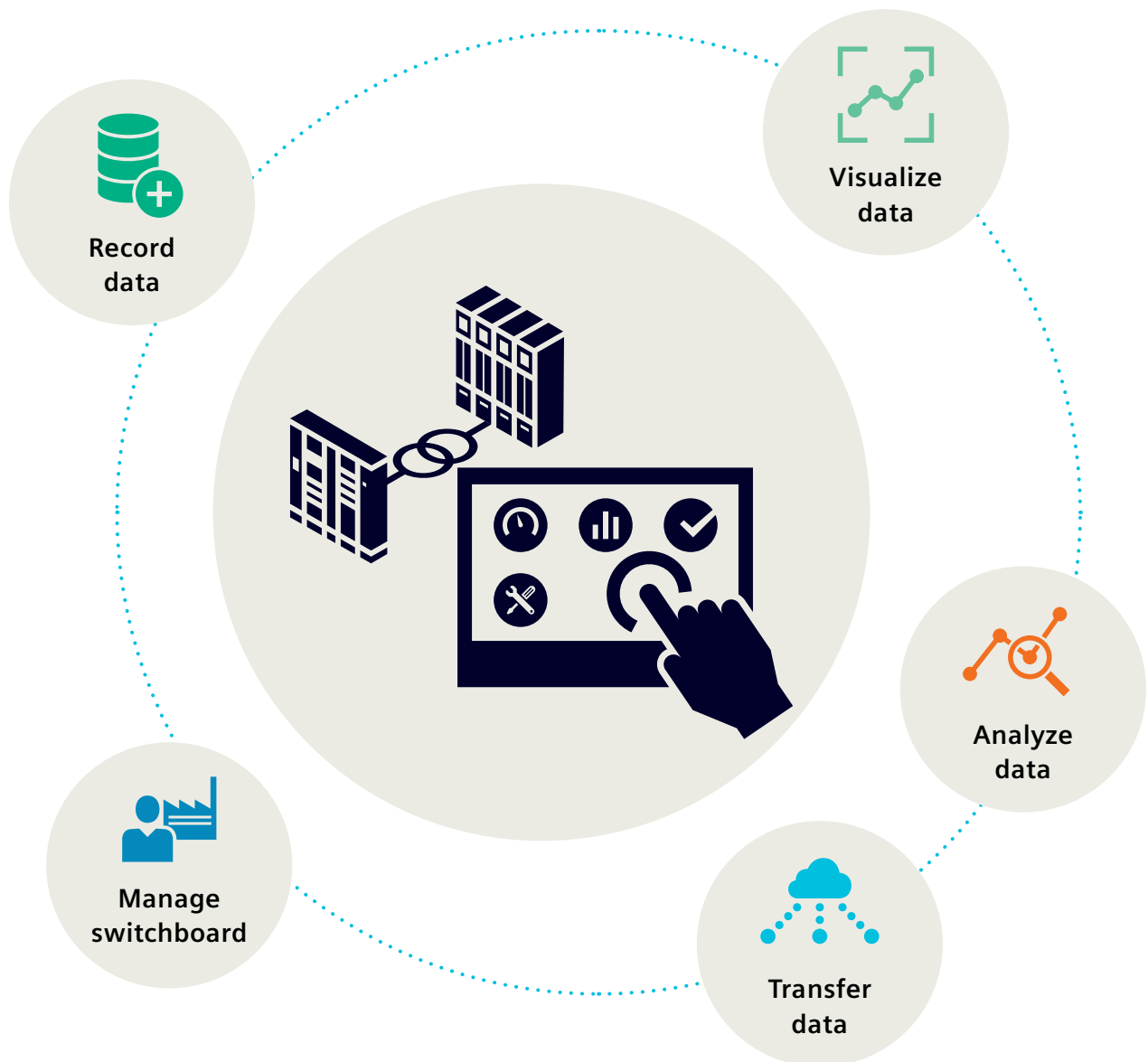
SIVACON S8^{plus} low-voltage switchboard with SIMOCODE pro motor management system



SIVACON S8^{plus} switchboard – Health Index

Manage your energy data – with SIMARIS control

SIMARIS control creates a single integrated system from many individual devices and supports you with five main functions.





Record data – make the most of communication-capable devices

- The data collected from all your field devices will be stored on-site for secure and reliable data analytics
- Helps identify savings potential based on actual operational data and sensor measurements
- Plan predictive maintenance based on reliable status data



Visualize data – get a fast and reliable overview

- Create a comprehensible graphic representation of the system – the digital twin of your power distribution assets
- Visualize the available data in a central panel
- See everything you need to know – with intuitive touch control



Analyze data – easily recognize correlations

- Get your operational diagnostics with the Health Index
- Run analyses faster and more easily and flexibly
- Independent of the higher automation level



Manage switchboard – experience your advantages live

- Set new operational requirements quickly, easily, and flexibly
- Documentation always on hand (parts lists, circuit diagrams, device manuals, and more)



Transfer data – tap the potentials of information exchange

- Download the substation data from existing IT infrastructures or mobile devices
- Integrate your power distribution systems into a comprehensive energy management system or into an overall strategy for predictive maintenance
- Integrate your switchboard into higher-level systems and take advantage of cloud-based analysis systems (like those in MindSphere)

**Published by
Siemens AG**

Smart Infrastructure
Distribution Systems
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.distributionsystems.si@siemens.com

Article No. SIDS-B10082-00-7600
TH S24-210459 BR 0821
© Siemens 2021

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

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.

