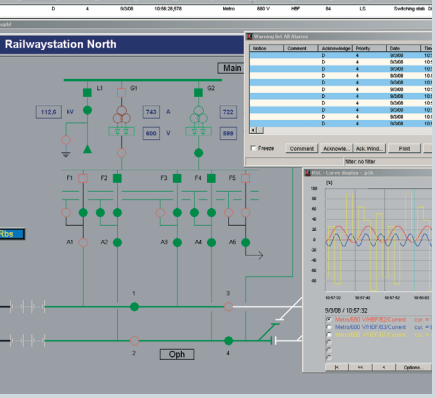

Vicos® RSC (RailSCADA), the modern power control system, is used to perform control, monitoring, archiving and evaluation tasks in traction power supply and railway infrastructure.

It gives the operating personnel a quick and reliable overview of the operating states of the system.

Features

- High availability due to "hot standby" system, equipped with high-end workstations and Simatic® automation devices
- SIL 2 safety certificate
- Cost-effective operation due to energy management as well as active fault and maintenance management
- Multi-monitoring, client-server configuration, remote access and archiving

Areas of application

Power control system for traction power supply

- AC switchgear
- DC switchgear
- Low-voltage switchgear
- Trackside equipment
- Disconnectors and drives
- Contact line monitoring systems

Fault management for railway infrastructure

- Lighting
- Air conditioning
- Tunnel ventilation
- Elevators and escalators
- Ticket vending machines
- Roller shutter gates and doors
- Fire and intrusion alarms
- PA and CCTV systems
- Point heater

Vicos RSC

Control system for traction power supply and railway infrastructure

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Overview

Philosophy

With its object-oriented system architecture, the Vicos RSC control system sets new standards for operator comfort, flexibility and processing performance.

Vicos RSC uses a modular configuration to optimally cover all areas of application, from single-user systems to high availability “hot standby” systems. With additional workstations that run distributed functionalities such as archiving, evaluation or simulation, the system meets the broad requirements profile for a modern power control system.

Vicos RSC can control and monitor a wide range of different and independent subsystems. All subsystems are integrated into one single and uniform user interface, which ensures easy usability.

Hardware / Operating system

Vicos RSC runs on standard hardware, preferably under Windows® 7. Alternatively, other Windows operating systems or Linux can also be used. Vicos RSC integrates easily with existing IT environments. Data exchange with other systems as well as the integration into multifunctional workstations can be done with minimum effort.

Flexibility

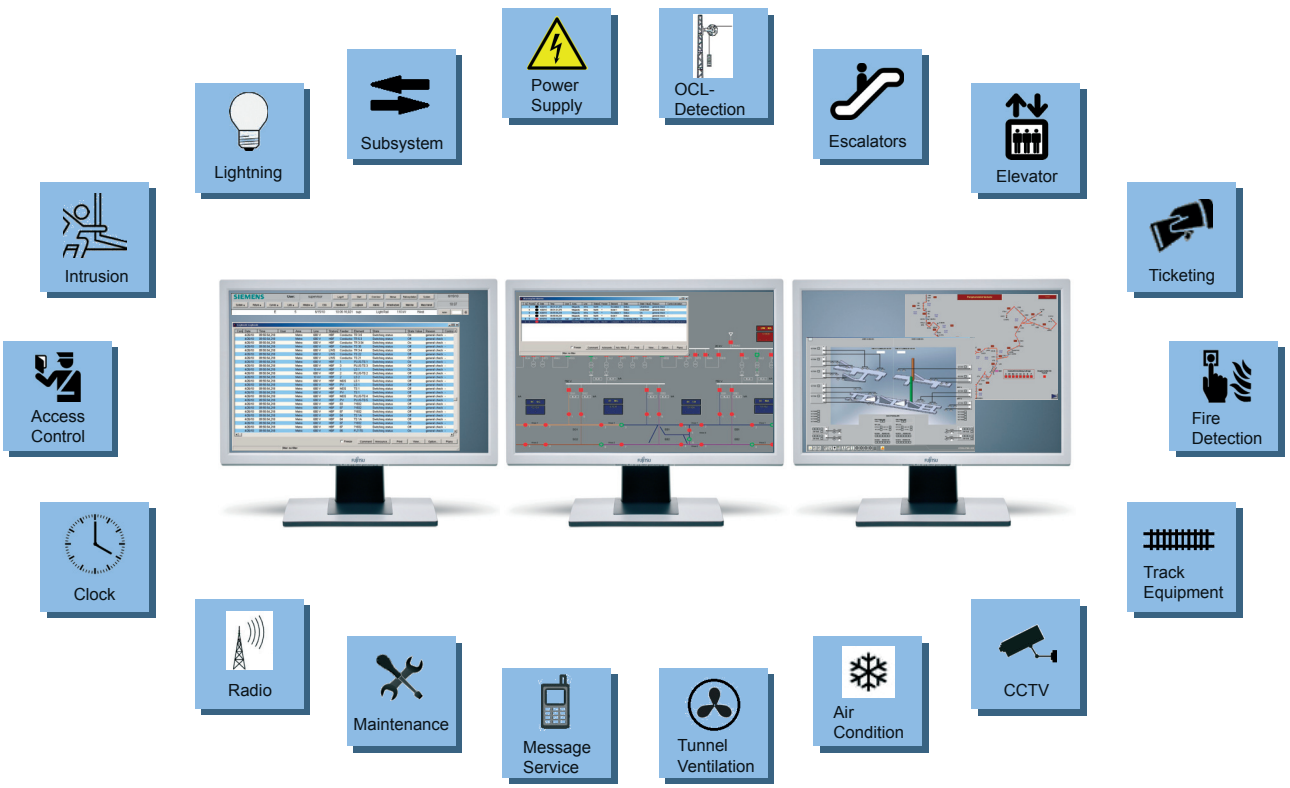
Vicos RSC is a future-oriented and migration-ready system. It represents a consistent development of the proven Vicos P500 control system. The fully graphical editor makes it easy to expand existing systems or to change the parameterization of existing data.
The system configuration can be individually matched to specific requirements with respect to functionality, performance and safety.

Parameterization / Operation

Easy management and parameterization of process data provides for clearly structured process visualization. Parameterizing the Vicos RSC does not require programming skills.
The object-oriented Windows-style user interface ensures intuitive and context-sensitive operation and greatly enhances the usability of the runtime system.

Service / Maintenance

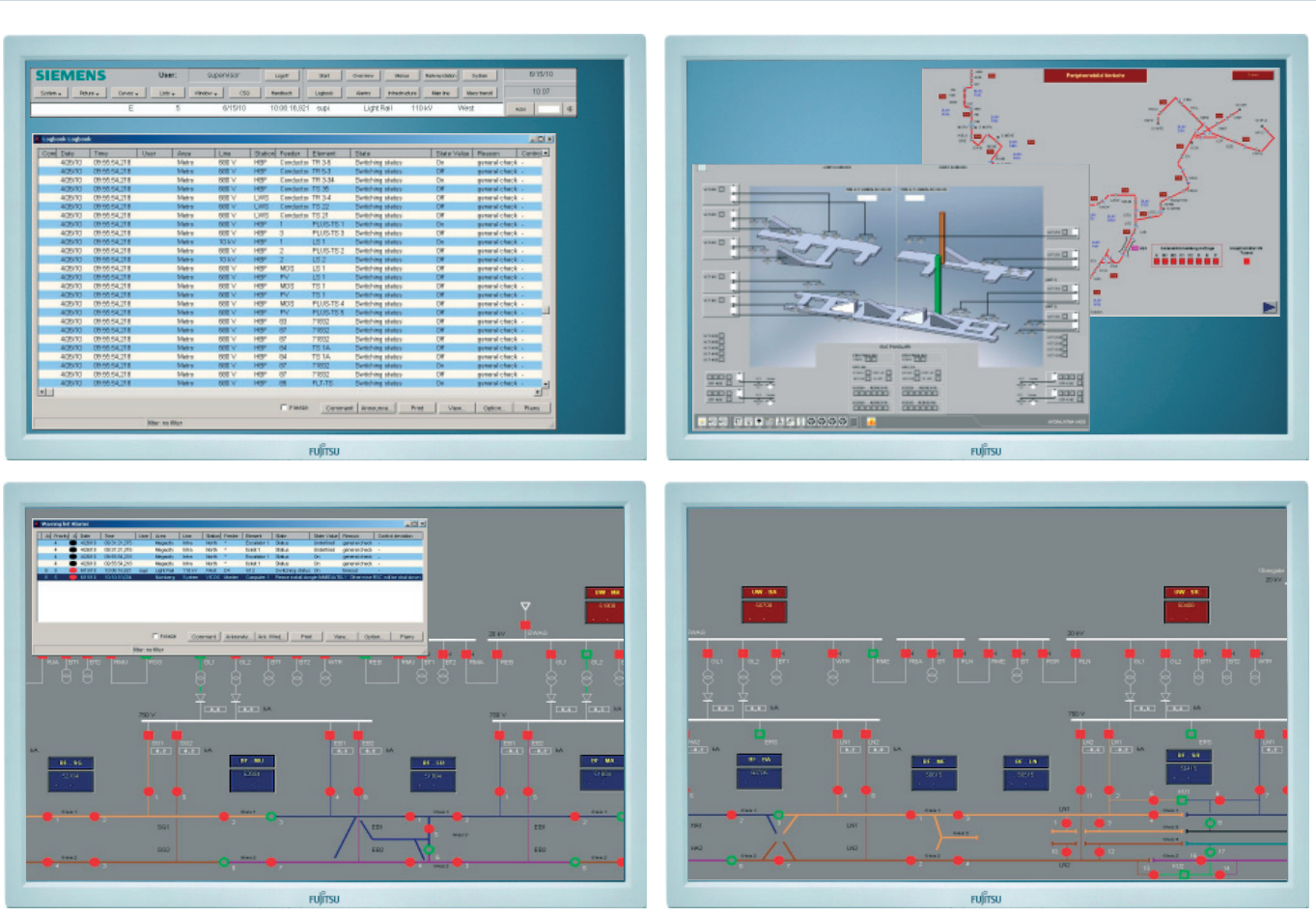
The system offers capabilities for self-test, on-site maintenance and secure remote service. The remote access to system files and installation parameters enables the analysis of the power monitoring and control system as well as the telecontrol equipment.



Overview of interfaces to Vicos RSC

Characteristics

- The Vicos RSC power control system is offered as a licenced product to selected partners in the context of an OEM product strategy. In this case, the system is implemented by the partner.
- The upgrade strategy ensures that whenever new system versions are used, the installation data can be reused and need not be entered again. This means existing installations can be easily expanded with new functions.
- A process-oriented system editor ensures fast and easy data acquisition and expansion of the system data.
- Every workstation is equipped with a configurable user interface and can thus be optimally matched to the operating concept.
- The supply status or the feeding areas of the power supply system are dynamically illuminated.
- For example, single/double infeed or grounded conditions are determined and displayed automatically in the topology. This greatly enhances the overview of traction power supply systems.
- The integrated interface to the Vicos OC operations control system serves to optimize operations control. Feed area conditions or "track occupied" indications can be exchanged.
- The system supports any language that can be changed at any time during operation.
- The integrated control preview provides operators with ideal support for decision making by visualizing the impact of control operations in the entire traction power supply system even before the actual operation is performed.
- The parameterizable individual and user-specific access rights enable the reliable operations control system to be adapted according to the operator.
- Parameterizable interlocks automatically prevent conflicts that may occur by combining different phases or switches. This virtually excludes operating errors.
- The system is equipped with standardized communication interfaces, such as for interfacing to telecontrol devices as well as for connection to operations control and fault management systems.

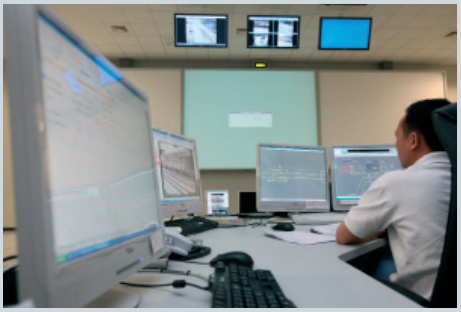


Examples of system views

References

We have more than 35 years of experience with control system solutions.

Our SCADA systems are used by lots of public transportation companies in mass transit and mainline applications all over the world.



Siemens AG
Industry Sector
Mobility Division
Complete Transportation
Mozartstraße 33b
91052 Erlangen
Germany

vicos-power.mobility@siemens.com
www.siemens.com/vicos-power

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