

Completely Integrated Solutions
for the Pulp and Paper Industry

SIPAPER^{CIS} Power

Using energy efficiently while
getting the most out of your power
systems

Your Success is Our Goal

SIEMENS

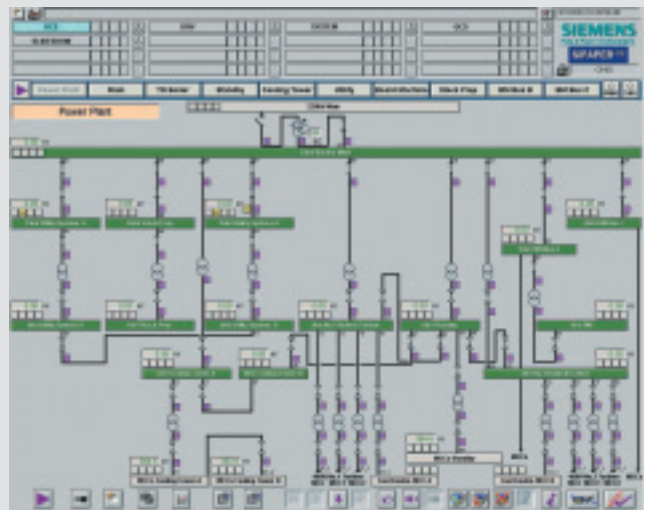
Industrial Solutions and Services

Efficient power distribution saves costs

Designed specifically for the requirements of the pulp and paper industry, SIPAPER^{CIS} Power provides substantial benefits for the entire power flow in a plant from the infeed to the end user. A major part of SIPAPER^{CIS} Power is about correctly dimensioning and planning the factory network and the power supply for black start and emergency operation. By means of this integrated concept, you are able to satisfy the power requirements for the entire process in a cost-optimized way.

Optimum power distribution and management

To ensure production availability, a reliable power supply is imperative in all situations and on all power levels. The use of intelligent systems makes a fast detection of the load volume and regular distribution possible, avoiding the costly exceedance of load peaks. A consistent information network is required to provide the necessary information for decision-makers on all levels.



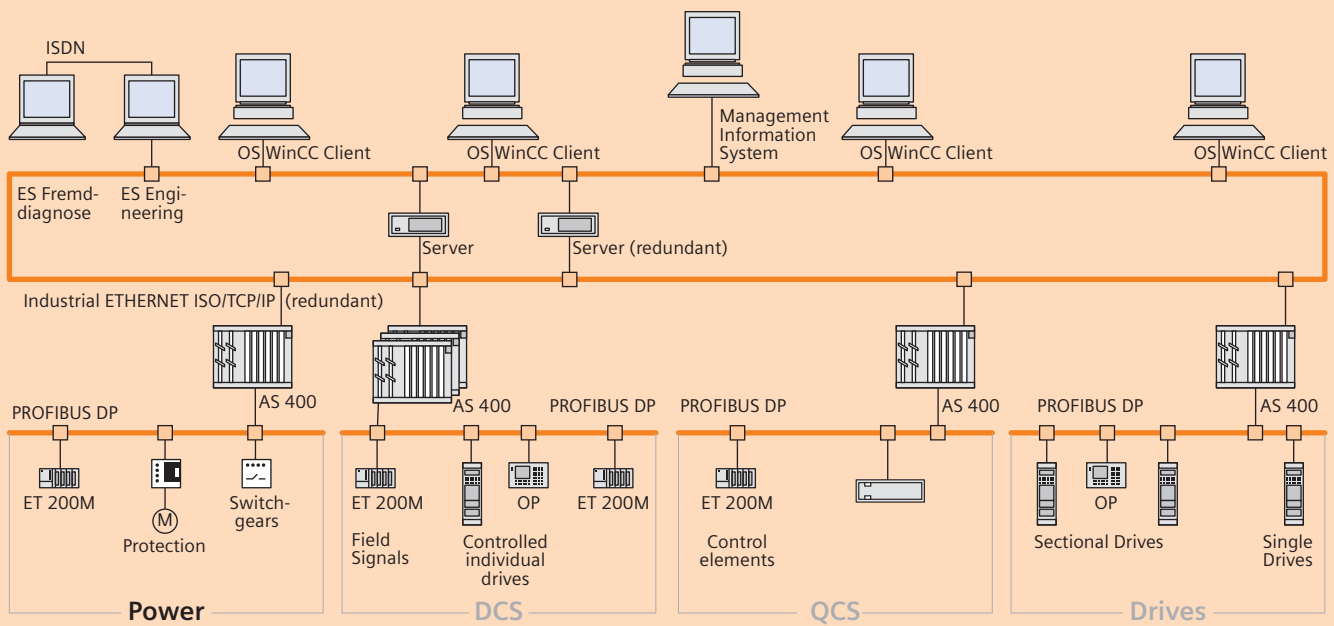
The benefits of SIPAPER^{CIS} Power at a glance:

- Easy integration into automation and the respective function units by being a member of the SIPAPER^{CIS} product family
- Application of intelligent, networked control and switching devices in LV, MV and HV switching devices as basis for complete horizontal and vertical integration
- Power flow monitoring and control with high transparency for operators
- Strategies for efficient power management developed on the basis of our experts' process and technology know-how
- Our expertise and experience in power distribution ensures a fault-free process right from the beginning

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SIPAPER^{CIS} Power – Our solution in detail

With its sophisticated power control technology, SIPAPER^{CIS} Power provides an overview of the complete electrical system, offers support for critical decisions, processes essential service-information and facilitates required switching operations in the entire plant from a central station. The integrated SIPAPER^{CIS} communication network realizes the data exchange with SIPAPER^{CIS} EOS, our advanced power management system. The use of intelligent control and switching devices, such as SIMOCODE[®] and SIPROTEC[®], guarantees an optimally matched communication of all power distribution levels and the availability of decision-friendly information at any time and place.

SIPAPER^{CIS} – Completely Integrated Solutions for the Pulp and Paper Industry

As a comprehensive industry-specific solution for the pulp and paper industry, our SIPAPER^{CIS} product family integrates all the products and services you need for sustained maximization of your plant's performance.

For each particular task, a solution has been defined that

- **horizontally** improves all processes – from pulp to finished paper
- **vertically** integrates the company's information flows end-to-end, helping corporate management to make better-founded decisions
- and **chronologically** enables optimized maintenance and comes with assured further development over the whole life cycle of your plant.

Due to this unique combination of horizontal, vertical and life cycle dimensions, our solutions all carry the genes of an exhaustive and sustained plant productivity in their very core.

For More Productivity. More Performance. More Power. Completely Integrated Solutions from Siemens.

From power distribution to the entire infrastructure

In SIPAPER^{CIS} Power you will find the perfect technical solution for high availability, sufficient supply capacity, future extendibility, a constantly high power quality and environmental compatibility. We reduce your operating costs with easy handling, the reduction of power losses and maintenance costs. With us as your partner for the entire power infrastructure, you can benefit from: less engineering and coordination effort, lower personnel costs, less interface problems and getting a solution exactly matched to your individual requirements.

Expert planning reduces investment

Detailed planning of your entire power supply lies at the core of our solution. The start-up behavior of large aggregates, the short-circuit behavior of individual system components as well as the calculation of the short-circuit currents and power ratings are the basis of our engineering.

Further aspects within the scope of network planning to applicable standards are a leveled power balance and a realistic network simulation for an optimum dimensioning of the switching and protection devices.

The use of our tried-and-tested typicals for the paper industry not only increases planning efficiency but also plant safety and availability. By applying our SIPAPER^{CIS} standards, all expenses for engineering and tests can be significantly reduced.

www.siemens.com/paper

SIPAPER^{CIS} is a trademark of Siemens AG.
CIS = Completely Integrated Solutions

The information provided in this brochure contains merely general descriptions or characteristics of performance which in case of actual use do not always apply as described or which may change as a result of further development of the products. An obligation to provide the respective characteristics shall only exist if expressly agreed in the terms of contract.

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