



CLOUD-BASED POWER AND CONDITION MONITORING

SENTRON Powermind – the cloud application for campus and fleet management

Do you want full transparency for your power distribution, everywhere and any time? But as a small or medium-sized enterprise, do you believe it wouldn't be cost-effective to set up your own IT infrastructure? In that case, our SENTRON Powermind Cloud application is the right solution for you: It utilizes the Siemens Cloud solution, where your current power and plant data are available in real time and can be accessed from wherever you are. This solution is particularly useful for distributed systems such as businesses and their branches.

[siemens.com/sentron-powermind](https://www.siemens.com/sentron-powermind)

Your entry into Cloud-based power monitoring

The combination of SENTRON Powermind and the SENTRON Powercenter 3000 IoT platform offers you the ideal entry into power monitoring with full power transparency. SENTRON Powercenter 3000 pre-processes the data and forwards it to Cloud. You get a snapshot of different values and their development over time, both for entire systems and for individual electrical consumers. You can also see the status of key protection devices and switch-gear. That means you can plan maintenance work in advance and improve your plant availability.

Highlights

- **Real-time analyses**, regardless of location, and storage of all relevant energy data
 - **Fault location and analysis** for predictive maintenance
 - **Rapid identification** of spikes and high consumption patterns
 - **No additional hardware or software** needed
 - **Intuitive operation of the application** with no need for specific IT knowledge
 - **Support for the establishment** of an operational power management system
 - **Straightforward fleet management** for the centralized power and condition monitoring of multiple properties
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One Cloud application, many different uses

The SENTRON Powermind Cloud app enables convenient power monitoring from all kinds of browser-enabled terminals, wherever you may be.



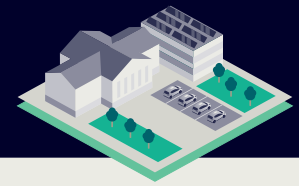
Buildings

E.g. hotel chains, shopping malls, research facilities: Location-independent and multilo-cation power monitoring via standard IT networks, with cost center-specific billing



Industrial plants

E.g. large bakeries, automotive industry, furniture industry: Identify existing peak loads quickly and prevent them in the future using trend analyses



Infrastructure

E.g. data centers, logistics centers, hospitals: Avoid system outages and critical situations in your power supply system



Off to the Cloud – upward to improved efficiency

The cloud and cloud application make many things possible, such as centralized data storage and expanded analyses that boost efficiency. The cash flow can also be improved thanks to the flexible provision of IT resources, with no need to invest in hardware. At the same time, SENTRON Powermind of course meets the highest standards for communication and data security.



Easy onboarding in super-quick time

Thanks to lower engineering overheads, SENTRON Powermind is quick and easy to set up. Thanks to the integrated interface to the Insights Hub, Siemens' industrial IoT solution for improved operational decision making, no additional hardware or software is needed. You can import system settings and device parameters easily and directly from SENTRON Powermanager or SENTRON Powercenter 3000 by exchanging data via a JSON file, and immediately start monitoring your power consumption.



Discover potentials for saving – and make your systems more efficient and more sustainable

But why is it so important to use power monitoring to discover hidden potentials for saving power? SENTRON Powermind shows where your peak power demand lies. Once you know that, you can avoid these peaks and reduce your overall power costs. You can identify sources of wasted power or uncharacteristically high consumption patterns. SENTRON Powermind thus helps you create an operational power management system – for example, in accordance with ISO 50001 or as the basis for regular energy audits as per DIN EN 16247.



Straightforward fleet management – from a central location

SENTRON Powermind also keeps you updated on the condition and power consumption of multiple properties across locations. The properties can be accessed and queried individually. In this way, service providers can ensure operational efficiency and cost transparency for multiple end customers with very little effort.

Discover additional information under the following links:

Catalog:

www.siemens.com/lv14

SiePortal:

www.siemens.com/sieportal

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