



CLOUD-BASED POWER AND CONDITION MONITORING

SENTRON powermind – transparency for your power distribution, anywhere

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 MindSphere 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.

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Your entry into Cloud-based power monitoring

The combination of SENTRON powermind and the 7 KN Powercenter 3000 IoT platform offers you the ideal entry into power monitoring with full power transparency. 7KN Powercenter 3000 pre-processes the data and forwards it to MindSphere. 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 switchgear. 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

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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 multi-location 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

Central data storage is one of the benefits of Cloud computing. But its significance is much greater. Calculation and networking for expanded analyses can result in a substantial increase in efficiency. Flexibility and the needs-based provision of IT resources improve cash flow, since there's no need to invest in hardware. And the cloud provides access to state-of-the-art technologies and – if required – a global network of applications and services. In all these aspects, it goes without saying that SENTRON powermind meets the highest standards of communication and data security. So why not benefit from easy scalability, speed, and customization, and most importantly, no cost surprises?



Easy onboarding in super-quick time

Thanks to lower engineering overheads, SENTRON powermind is quick and easy to set up. The integrated MindSphere interface means you need no additional hardware or software. Just import your system settings and device parameters from SENTRON powermanager, and 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.

Discover additional information under the following links:

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