



SIEMENS

Ingenuity for life

NXPower Monitor

Internet of Things (IoT) for
your electrical distribution assets
at the medium- and low-voltage levels

[siemens.com/nxpowermonitor](https://www.siemens.com/nxpowermonitor)



Oil and gas industry



Chemical industry



Mining industry

Your digitalization journey from data to value

The Industry 4.0 revolution based on the Internet of Things (IoT) is motivating many organizations to begin their digital journey across different industry verticals.

The first step is to connect industry assets like electrical distribution equipment at the field level to a common remote IoT platform through a secure and reliable IoT connectivity device popularly known as "IoT gateway." The second step is to access, visualize, and analyze the data using an IoT application hosted in a secure and reliable cloud environment. The goal of the journey is to help industry acquire real value by obtaining the necessary assets and business transparency and establishing continuous improvement and optimization processes.

Our solution

We help you ...

- gain transparency across your electrical distribution assets
- identify optimization strategies to reduce your operation costs
- better manage risks by identifying potential asset breakdowns before they happen

As your trustworthy partner, we provide ...

- reliable and safe IoT-ready electrical distribution assets, including medium- and low-voltage switchgear
- reliable and secure IoT connectivity hardware like gateways and edge devices
- open and secure IoT ecosystem MindSphere
- IoT application NXPower Monitor

Your benefits

- OPEX optimization
- CAPEX deferment
- Risk management
- CO₂ footprint optimization
- Optimization of asset utilization

NXPower Monitor, a cloud-based application

that will launch and accompany your digital journey in energy distribution

NXPower Monitor provides you with different views for visualizing and monitoring electrical assets in a substation or substations across multiple locations from anywhere in the world.

Transparency thanks to asset summary and operation overview

The asset overview offers you a summary of key performance indicators, which allows you to monitor your assets and helps you identify optimization potentials for improving availability, energy consumption, and cost savings.

Condition monitoring (optional)

The condition monitoring view allows you to monitor the health status of your asset remotely. This helps you manage risks and schedule maintenance based on the actual status of the assets rather than their theoretical condition.

Energy monitoring (optional)

The energy monitoring view allows you to monitor the energy consumption of critical loads on a time-series basis and compare it with similar loads at the same location or across different locations. This enables you to optimize both your energy costs and your CO₂ footprint.

Maintenance view (optional)

The maintenance view allows you to visualize all of the alarms along with their status and details. It also initiates an e-mail notification to your designated maintenance engineers with details on the alarms. This saves them time when it comes to defining the necessary corrective actions. The maintenance view also allows you to create your own asset-related central document repository system that will bring you even more peace of mind. Important documents will be always available from anywhere at any time.

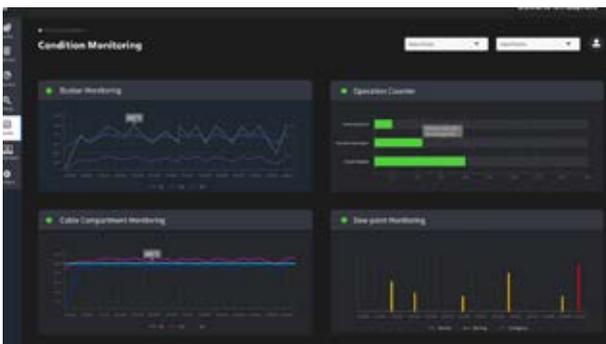
Note: The asset is typically a medium- and/or low-voltage switchgear.



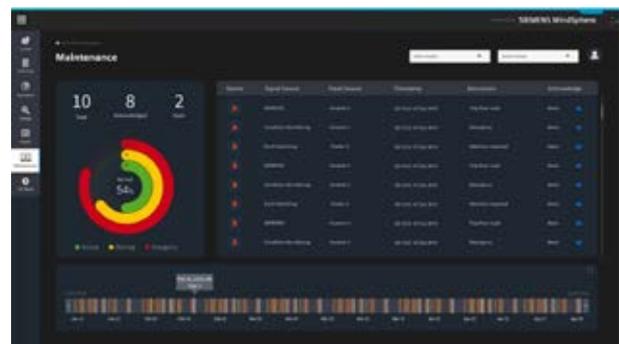
Switchgear asset connected to application



Assets overview



Condition monitoring



Maintenance view

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