

**SIEMENS**

*Ingenuity for life*

# Power Quality Analytics

Digital power quality monitoring  
services for improved operation

[siemens.com/industrial-grid-planning](https://www.siemens.com/industrial-grid-planning)

# Why PQ Analytics?

- Prevents production outages by reliably detecting impending damage at an early stage
- Prompt detection of off-tuned power electronics and new disturbance sources
- Post-failure root cause analysis to identify appropriate measures
- Maximum availability of energy supply and minimized downtime costs by implementing preventive measures

## Additional benefits

- Shorter response time
- Access to experts with in-depth knowledge of your grid
- No ramp-up of expertise needed on customer side
- No access to communication network required on customer side
- Besides measuring devices, no installation of other software or hardware required
- Special discount in case of multiple measurements

# Our service model

- Optimal positioning and installation of Siemens SICAM measuring devices
- Data transfer to a Siemens server via Siemens Scalance router and IT security-proven communication
- Continuous power quality monitoring and analysis over a predefined period
- Scheduled reporting and recommendations for mitigation measures via mobile app
- Additional power system advisory services on demand

## Small causes – serious consequences

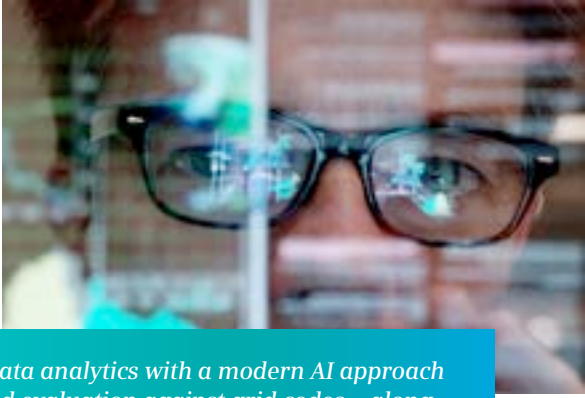
Events such as failures of electrical equipment can lead to larger power outages and production losses. Non-linear loads and power converters may influence the power quality and cause disturbances such as harmonics, voltage dips, interruptions or transients.

In the past, grids were only analyzed after an error had occurred. With Power Quality Analytics, we identify anomalies and help to eliminate them long before they have a negative impact on your plant and your daily business.



### Our offer

We record and monitor critical data directly on site with ongoing power quality measurements. With continuous remote access on a well-proven Siemens product platform we analyze your grid using a modern artificial intelligence (AI) approach and identify possible weaknesses. With our simulation tools we can create detailed grid models and define expedient countermeasures. In close collaboration with our customers we develop needs based measuring services to secure high-standard grids and prevent power outages.



*“Data analytics with a modern AI approach and evaluation against grid codes – along with the in-depth knowledge of our experts.”*

### **Always scalable – we identify your needs**

Our service offers user-specific support packages, from measurement only to full consulting service packages to provide maximum flexibility.

<b>Service</b>	<b>Details</b>
Commissioning	<ul style="list-style-type: none"><li>• Definition of measurement points</li><li>• Plug-and-play system</li><li>• Commissioning support</li></ul>
Power Quality Analytics	<ul style="list-style-type: none"><li>• One or multi-year contractual support available</li><li>• Monthly report</li><li>• Direct access to results and consultants via mobile app</li></ul>
Advanced Power System Advice	<ul style="list-style-type: none"><li>• On demand</li><li>• On an hourly basis</li></ul>

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