

# In-Site Power Monitoring

## The Security and Alert System, for your Power!



# Your Business System is at Risk!

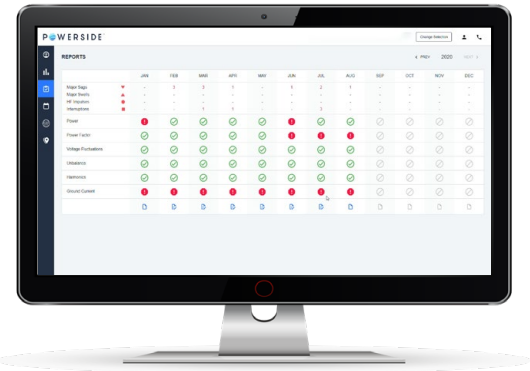
The Power grid is changing. Today's power systems utilize renewable assets, LED lighting and variable speed drives, which are not only more sensitive to power threats, but they are also more likely to cause them. These emerging problems create new electrical challenges that can affect the reliability and ultimately the availability of electrical power, leaving businesses unaware of their cause, and costing U.S. industries up to \$188 billion, according to research by the Electric Power Research Institute (EPRI).

**Did you know?** Over 80% of power reliability problems are caused by the equipment inside the facility and not by the utility. The impact of these threats varies from premature equipment failures, unresolved intermittent problems, and downtime.

## Does your Business Suffer from Power Problems?

- Premature Equipment Damage
- Process Downtime
- Unexpected Failures
- Unresolved Intermittent Problems
- Breaker Overload and Tripping
- Decreased UPS and Genset performance
- Poor Power Factor
- Identified Power Issues after an Event

Electrical systems are subject to many problems that must be proactively managed to avoid production downtime and revenue loss.



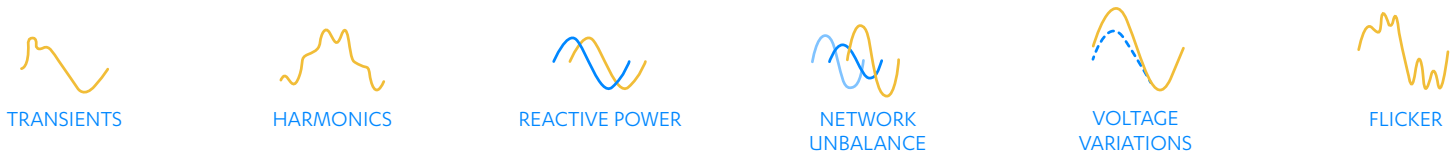
## In-Site Identifies Power Reliability Problems Fast

Powerside's In-Site cloud-based monitoring service delivers real-time data about your power. Our 24/7/365 platform provides actionable information on energy consumption, power quality trends, and power events. Our all-inclusive solution enables businesses to continuously detect power threats, helps determine the root cause of a problem, and take action when necessary. No need to spend hours troubleshooting, hiring third-party analysts wasting both time and money.

### Use In-Site to

- Reduce energy and operating costs
- Increase production uptime
- Prevent premature equipment wear or damage
- Avoid safety issues
- Safeguard sensitive electronics
- Protect LED lighting

### Proactively Detect These Power Security Issues



### Features

- 24/7/365 power quality monitoring
- User friendly dashboard for desktop operational oversight
- Real-time data on power quality and consumption
- Power quality trend analysis and threat detection
- Facility growth planning
- Data-driven utility provider management



# In-Site: An Effective Solution Using Real-Time Data

Poor power quality can result in unplanned maintenance, reliability problems, and operations cost issues. In-Site offers real-time data to avoid applying the wrong solution to a power problem that can become expensive and cause additional damage such as premature motor failures.



## Identify the source of power problems

- Determine if the problem originates from the utility or the equipment inside the facility.



## Eliminate trial and error repairs and no fault found

- Continuous monitoring with In-Site helps pinpoint the root-cause of a power problem without the need for on-site experts after the fact.



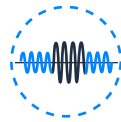
## Avoid equipment overheating

- Determine actual causes of equipment overheating (wiring, transformers, motors) or failures, such as current overloads, unbalance or harmonic distortion.



## Reduce premature motor failures

- Apply the right solution to the right problem using In-Site's real time data to prevent critical motor failures.



## Detect voltage sags and surges

- Avoid troubleshooting delays by identifying utility issues such as undersized transformers and substations using In-Site's continuous data.
- Quickly identify potentially damaging voltage sags due to motor starts.
- Prevent quick sags from tripping off sensitive equipment caused by undervoltage potentially causing significant restart costs.



## Save on energy costs

- Control facility lighting and HVAC usage more efficiently with real time data.
- Manage peak loads to reduce demand charges caused by start-up sequences and production line run times.
- Receive immediate feedback to resolve equipment operations and changes affected by power factor before penalties occur.

## Power Security for All Industries



CHEMICAL PLANT



COLD STORAGE



FOOD PROCESSING



HOSPITALS



MINING/QUARRY



OIL & GAS



PLASTIC MOLDING



PULP AND PAPER



RENEWABLES



SAW MILL



UTILITIES



WELDING

# How it Works

1

## Collect

In-Site collects real-time data and monitors power quality

2

## Alert

Receive real-time alerts when a power problem occurs

3

## Report

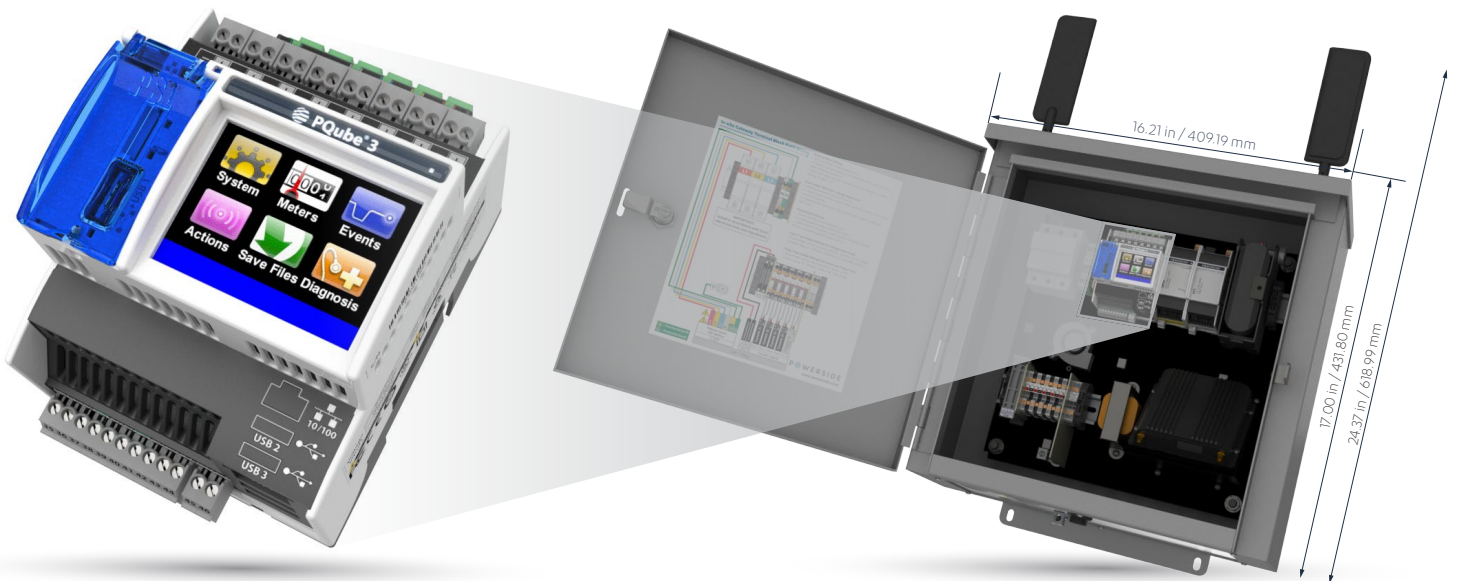
Get monthly reports and Insite+ quarterly reports with actionable recommendations

4

## Solve

Use trend data to make informed decisions and get access to Technical Support\*

**In-Site includes a PQube® 3 Power Analyzer and all required components to get up and running.**



\*Consultation fees may apply when required



All specs are subject to change without notice

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