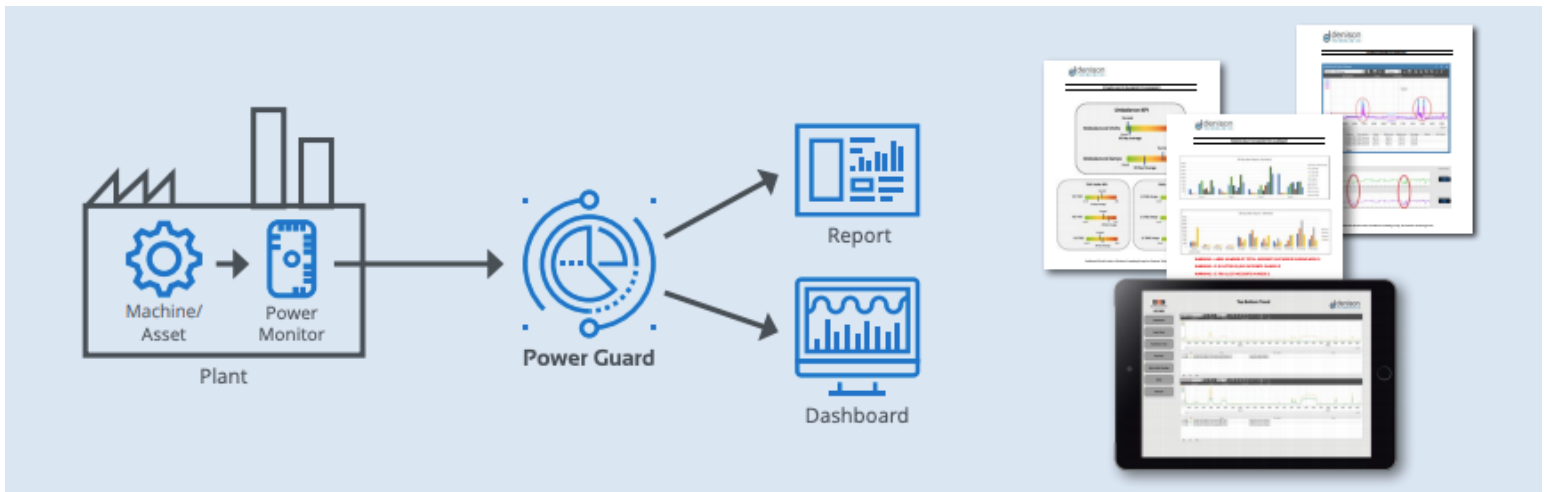# Denison's PowerGuard R2.0 Software

Product S202

Real Time Monitoring of
Energy and Power Quality

Most operators are not measuring and monitoring core energy and power quality. Chances are your facility is affected by power irregularities. But for those companies who focus on power quality, PowerGuard has assisted those operators reduced unplanned downtime and asset failures saving millions.   Energy savings of 20% are not uncommon.
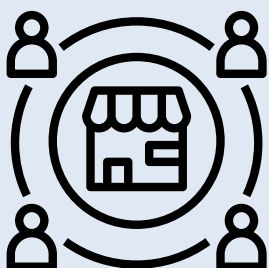
Benefits

- Reduce and allocate energy costs
- Improve energy efficiency
- Reduce maintenance
- Ensure electrical network reliability
- Reduce production downtime
- Reduce asset failure

Compatible with:

Rockwell Automation · Automation Direct · FLUKE · SIEMENS · MITSUBISHI ELECTRIC · socomec Innovative Power Solutions · BECKHOFF · OPTO 22 · EATON · YOKOGAWA · Schneider Electric · DRANETZ · EMERSON · Electro Industries GaugeTech · ABB · denison TECHNOLOGIES · And More...

Key Markets Served

- Agriculture
- All Manufacturing
- Automotive
- Chemicals Plants
- Data Centers
- Electronics
- Food and Beverage
- Large Commercial

- Metals and Mining
- Oil and Gas
- Pharmaceuticals
- Pulp and Paper
- Semiconductors
- Tire and Rubber
- Water
- Wastewater

POWERGUARD PLATFORM RELEASE 2.0

Features

⭐ Scalable Pay-As-You Grow Industrial Grade Analytics

- Supporting a line, plant or gloabl enterprise supporting 10, 50, 100, 500 meter licensing
- Customizable web-based SCADA platform
- Connects to any combination of hardware including Rockwell Automation PM5000, E300 and a host of other OEM monitoring equipment
- Synchronize historian data across multiple sites
- Unlimited scalability supports from 50 I/O on a laptop to a multi-million tag distributed system
- PQEM data captured on HMI correlated with process data

"Operators require cost-effective solutions to start - working with a technology partner who understands how to deliver to the plant floor and global enterprise - with a clearly defined architecture and commercial vision that drives value."

⭐ Energy Management Functions

- Real-time monitoring of energy data such as consumption, demand
- Load profiling through the build in historian - know what your loads are doing, and when
- Determine energy usage and cost baseline
- Emissions due to energy use
- Monitor percentage of renewable energy in the generation mix
- Track energy costs, including demand and power factor fees
- Determine the usage and cost of across assets, departments, enterprise
- And More

⭐ Power Quality Functions

- Ream time montoring of power quality data
- Power Factor
- Voltage (sag/swell)
- Current,Current Unbalance
- Phases
- Harmonics
- Waveform
- And More

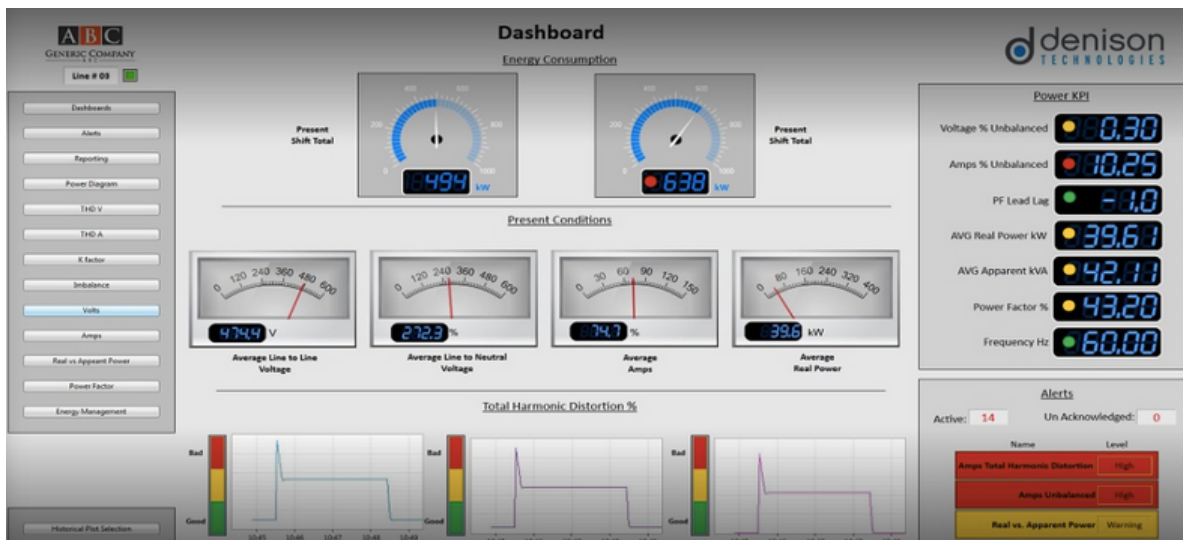### ⭐ Robust Monitoring, Alarming, Polling of Data, Notifications

- ISA 18.2 compliant alarm management with custom threshold settings
- Monitor key tag trend data supported by built-in historian that can log up to 4,000 values/sec
- Time stamping of logged data
- Customizable alarm roster
- Alarming set by time of day, event, function, priority, and separate alarms per plant supporting multi-plant architecture
- View current, active, unacknowledged, disabled, and shelved alarms quickly
- Fully integrated alarm notification management from anywhere via email, SMS, or text-to-speech over phone
- Load profiling through the build in historian - know what your loads are doing, and when
- Determine energy usage and cost baseline
- Emissions due to energy use
- Monitor percentage of renewable energy in the generation mix
- Track energy costs, including demand and power factor fees
- Determine the usage and cost of individual plants or assets

Denison Technologies website
Rockwell Technology Partner page

POWERGUARD PLATFORM RELEASE 2.0

⭐ ## HMI Built for Operator Ease of Use and Recordkeeping

- ISA 101 HMI compliant user interface
- Establish realms to better monitor and compare plants, multiple plants, enterprise
- Attach encrypted permanent operator notes to alarms and trends

⭐ ## Reporting

- Standard customized, ad-hoc, and enhanced reports with a variety of exporting options to third-party software including Excel
- Technical support to assist with integration and customization

⭐ ## Security and Data Storage

- Time stamping and AES256 military grade encryption
- Technical support

⭐ ## Pay as You Grow

- 10, 50, 100 and 500 meter licensing
- Pricing based on I/O and tags managed and data storage
- Denison's software as a service platform reduces the need for costly servers
- Less expensive than traditional server-license software

"Operators require these same platforms to scale - supporting added outcomes with incremental investment - working with the same platforms, people and experts that drive efficiency." One Platform, One Team. One Vision. Delivered.

Denison Technologies website
Rockwell Technology Partner page

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