

Benefits of our energy insights solutions for manufacturing

Learn how our cutting-edge energy insights solutions, which consist of our Panoramic Power™ wireless sensors and PowerRadar™ cloud-based energy management platform, can help manufacturers meet their specific needs.

[Read a customer success story →](#)



Industry needs	Unparalleled benefits of our solutions
Improve equipment efficiency	<ul style="list-style-type: none">• Provide data to diagnose potential air leaks from compressors in use• Identify aging equipment in need of replacement or upgrade• Diagnose efficiency and operation of cooling equipment• Provide automated reporting on equipment to support effective planning for routine maintenance
Diagnose equipment controls	<ul style="list-style-type: none">• Support verification of manufacturer default settings and controls for equipment used within the plant• Track operational trends from adjusting equipment controls in real time
Minimize unplanned site shutdowns or equipment downtimes	<ul style="list-style-type: none">• Track run times of production and building equipment• Provide alerts and historical data for scheduling needed maintenance on idling or faulty equipment
Pinpoint equipment failures	<ul style="list-style-type: none">• Provide granular data on individual devices and process lines• Enable real-time alerts on anomalies with performance of individual devices
Improve employee awareness	<ul style="list-style-type: none">• Enable employee engagement at various levels with easy-to-use information dashboard – available on the web and on cellphones• Educate plant staff on performance of equipment using key performance indicators (KPIs)• Provide automated reporting on individual and grouped devices
Detect energy waste	<ul style="list-style-type: none">• Identify off-hours consumption• Identify idling equipment• Identify incorrect operation schedules
Optimize intensity of used energy	<ul style="list-style-type: none">• Provide visibility to energy consumed across individual devices and processes• Benchmark production output against used energy resources including water, heat and gas• Track energy trends from adjusting processes and production schedules in real time
Identify energy inefficiencies	<ul style="list-style-type: none">• Provide historical and granular consumption data across multiple sites• Provide analysis on compressor cycling• Enable visibility on sequencing issues for process lines and/or production areas• Benchmark similar equipment within single or multiple sites to identify anomalies
Maintain competitive advantage	<ul style="list-style-type: none">• Enable real-time visibility of energy performance across multiple sites• Monitor consumption of energy resources – such as water and gas – in real time• Provide historical data from sites to inform decisions on energy supply and investments• Inform site operation during daily peak hours for energy supplied from the grid (i.e., minimize peak charges)• Improve accuracy of budget forecasting and identifying best practices across production sites using granular and historical data of equipment and energy use
Measure and validate returns from capital investments	<ul style="list-style-type: none">• Benchmark production output against supplied energy within sites to identify areas for investment/upgrade areas• Provide visibility to energy consumption trends before and after improvements were made
Generate new revenue streams	<ul style="list-style-type: none">• Identify flexibility to curtail production-related consumption and be compensated (i.e., demand response)
Comply with sustainability and performance reporting requirements	<ul style="list-style-type: none">• Provide accurate reporting on site consumption and generation for compliance to industry and government regulations