

Key Benefits

■ ■ ■ Understand Your Energy Costs



Visibility is the first step toward controlling costs. Monitor real-time conditions and usage. Examine trends. Allocate energy costs by departments or processes. Provide cost data based on your actual rate structure. Based on trend data, forecast energy usage to support budgeting and planning processes. Analyze and improve electrical system reliability. Rectify billing discrepancies.

■ ■ ■ Lower Your Energy Costs



Reduced energy costs result from the many capabilities of the system:

- Improve your power factor.
- Optimize equipment utilization.
- Maximize use of existing capacity.
- Lower electric power demand charges.
- Support participation in utility rate reduction programs.
- Avoid power problems that shorten equipment life or cause costly downtime.

■ ■ ■ International Support



Through our world-wide network of allied system integrators, we can provide local engineering and service support from like-minded firms with our same commitment to quality, integrity, and customer satisfaction. Through Automation Alliance Group, we bring to your project the combined resources of a *geographically dispersed* firm to meet support needs that extend beyond our regional presence. So no matter where your plants are, we can provide support that is consistent in performance with our own direct support.

Being "green" is not just good corporate responsibility, it's also good business. By monitoring your energy consumption, analyzing it, and taking action to control and optimize it, you are delivering an excellent ROI on your equipment investment and producing savings that will be there year after year.



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Energy Management

Understand and Control Energy-Related Costs, Risk, and Opportunity



Birmingham • Nashville • Tampa • Charlotte • Dallas

Maximize Capacity Usage and Lower Energy Costs

Manage Your Energy Usage

Hardware-Software Combination Fits Wide Range of Needs

Energy. It's probably one of your plant's larger costs, maybe even the largest. It's also your plant's life blood, without which you can't operate. But how much do you know about your usage and how to make it more effective and less costly? Studies have shown that industrial plants can save up to 15 percent or more on process-related energy use and more than 7 percent of total energy costs if opportunities are properly identified and addressed.

We offer a turn-key system that allows you to monitor real-time conditions, to record trends, to accurately allocate costs, to optimize usage, and to forecast energy requirements. You no longer have to be in the dark about how your energy dollars get spent and how to spend them more effectively.



Applies to Any Industry, Any Size Plant, Any Energy Source

Whether your operation is a large, heavy industrial plant or a small manufacturing operation, energy is a critical factor in your operations costs. If you can't monitor and understand your usage, you have little hope of reducing that major expense.

Our solution can be configured to meet your individual needs and budget. The energy management system can be installed as a monitoring system only, providing you with visibility and guidance in making manual adjustments to your operation according to what you observe. Or your plant's size and needs may justify a network of monitoring units with the central capabilities to automatically exercise controls based on the parameters that you help establish.

This system is also applicable to other energy sources, and in fact can be used to monitor, analyze, and control any piped utility. This includes natural gas, oil, water, steam, and compressed air. So no matter your energy type, you now have the ability to take control of the resulting expenses for that energy consumption.



Solutions

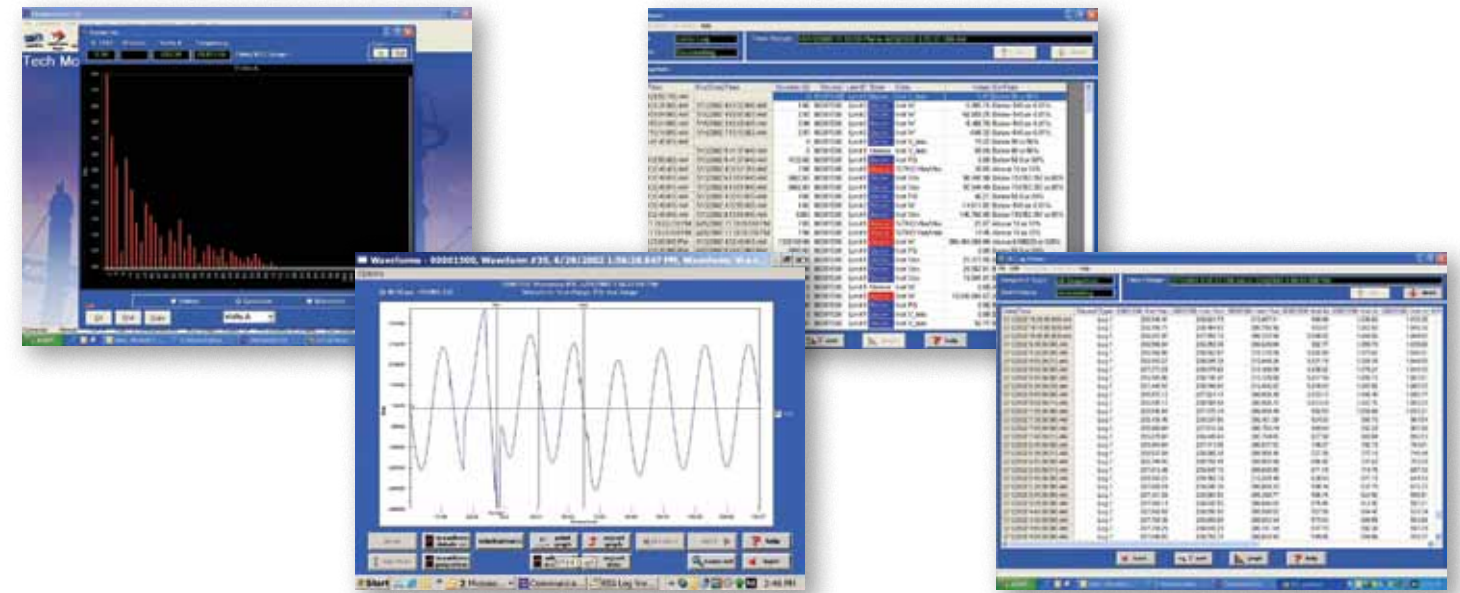


Our turn-key solutions include industry standard, proven equipment and scalable software that grows with your needs. Modular components allow cost-effective additions and upgrades to installed systems. We can provide and install any size system, from single meters to plant-wide systems that fully automate monitoring and control functions.

We can provide new standalone communication networks to support your system, or we can connect to your existing system. And with our extensive background in wireless communications, we can deliver systems that minimize installation costs by eliminating conduit and cable runs.

Web-based, secure portals are available. This provides multiple users with access to alarms and easy-to-use data and reports.

Systems have extensive software capabilities. Some are standardized packages used primarily for monitoring and analysis. Others involve custom HMI programming that provide a broader range of control capabilities of the type used in plant-wide systems.



Some examples of screen displays available with the software for with our system include (from left to right) harmonics, wave from analysis, alarm log, and historical trending.