

Energy Management Solutions Using the MAVOSYS System

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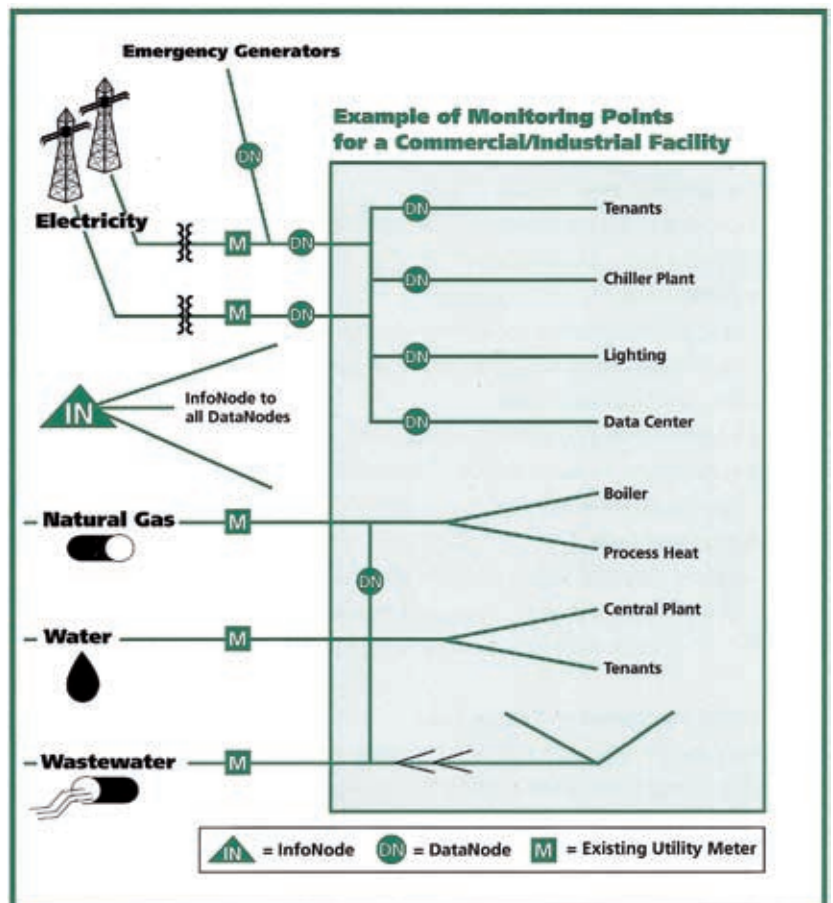
Utility energy and demand costs have a direct impact on a company's bottom line. By implementing a comprehensive energy action plan, a commercial or industrial facility can save from 10 percent to as much as 40 percent annually on energy costs. And, while each facility will require an organized approach to recognize those savings, facilities first need to understand their power consumption, location of major loads, electric demand usage patterns, and associated costs. The web-based MAVOSYS System enables users to continuously monitor that information to capture those savings.

Valuable Information to Reduce Energy Costs

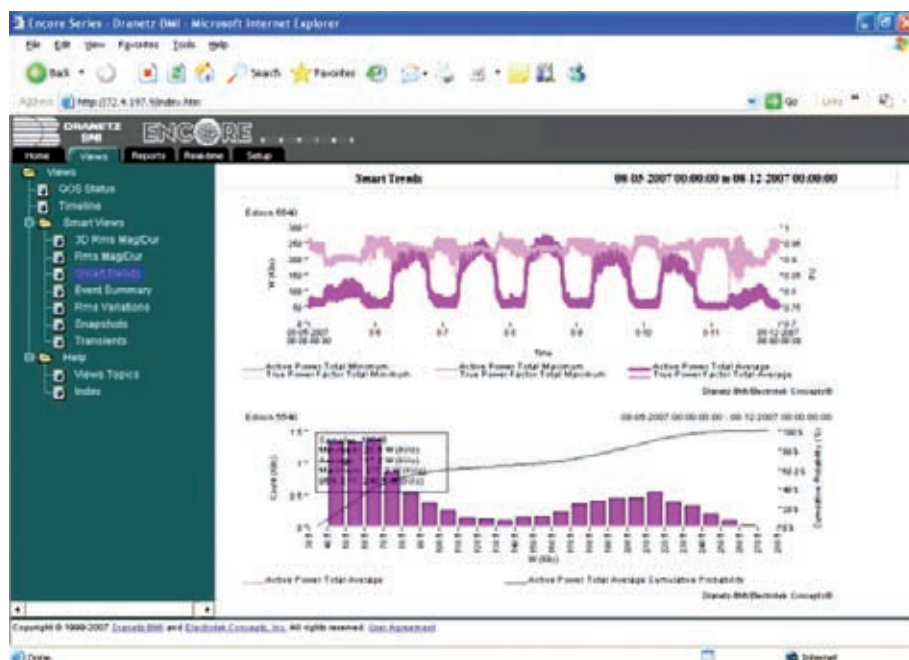
The cost of energy is one of the most commonly mismanaged expenses, regardless of a company's size or the industry represented. Often, energy is purchased by one department, consumed by another, with energy management systems operated and maintained by still another. A facility's energy situation is dynamic, thereby requiring continuous monitoring and management action to avoid escalating costs.

The MAVOSYS System is designed to capture the full range of data needed to understand and improve a facility's energy profile. It is scalable and modular, allowing each business unit to monitor key points throughout the facility.

Completely web-based, ten users can simultaneously access data any time and from any location using a standard web browser. The MAVOSYS System's automated alert and notification feature lets users know when key events occur or in advance of a new demand level being set. Plus, the MAVOSYS System incorporates AnswerModules®, unique proprietary software modules that interpret data to guide user decisions. For example, our Energy Usage and Expense Reporting Answer Module provides an automated method for monitoring and tracking energy usage.



Energy Management Solutions Using the MAVOSYS System



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The Encore® Series System allows facility and property managers to achieve multiple benefits at individual buildings or across multiple sites:

- **Implement Energy Reduction and Cost Control Strategies**
View and analyze real-time energy demand and usage via the Internet. Trend and profile that data to shift loads to off-peak hours, improve power factor or reduce consumption.
- **Allocate Costs and Perform Activity-based Costing**
Track energy-related costs by process or output, department, or tenant. Revenue-accurate metering allows for easy cost comparison with utility bills.
- **Manage Energy Purchase Agreements**
Use historical load profile data to develop price/risk curves for evaluating energy purchase agreements or for joining an aggregated group to purchase power at reduced costs.
- **Perform Energy Conservation and Load Reduction**
Shed non-essential loads or bring distributed generation on line to reduce consumption and/or participate in utility-sponsored demand reduction programs. Evaluate the value of energy efficient equipment such as lighting and HVAC changes.
- **Reduce Demand Peaks and Related Costs**
Avoid demand surcharges using the U1500 Peakload Optimizing System to predict kW demand and identify the cause of demand peaks to limit peak occurrences. Generate alarms on events such as excessive load, equipment failure, or when operations are likely to exceed contract terms for energy supply.
- **Evaluate Impact of Production Equipment on Energy Costs**
Monitor the efficiency of large, energy-consuming equipment to improve performance. Plan for expansion by analyzing load trends and available capacity for new equipment and tenants.

Edited in Germany • Subject to change without notice • A PDF version is available on the internet