Energy Monitoring

Power Up Your Energy Program and Help Cut Costs and Consumption with Epicor

Energy Monitoring

Energy might be the hardest piece of the puzzle in manufacturing, but now it's a lot easier with Epicor Advanced MES and Energy Monitoring. Tackle costs, reduce emissions and help cut recurring energy bills with the only real-time, web-based application to monitor and analyze energy use in the manufacturing plant. Are you ready to involve the entire production team to save energy? Scheduling workload in a way that reduces the plant's total power demand and takes advantage of rate variations can translate to significant savings—in terms of total energy consumed and the actual cost per kilowatt-hour.

Manufacturers focus on energy efficiency for a lot of reasons—green programs and sustainability, tax credits, and—of course—the cost of running the plant and making products. With the rising cost of utilities and pressure from the community and government, corporate executives look to operations management to correlate energy and item cost. If you're still analyzing energy and power information in silos, it's time to take a closer look at Epicor Advanced MES and Energy Monitoring.

We can help you tackle power consumption and the cost of energy. Epicor analyzes load patterns, production requirements, and resource energy demands—giving you the power to reduce peak demand and seize energy savings. With Epicor, you can quickly and easily capture and analyze energy performance indicators (EPIs) to reduce consumption and cut costs.

Does your CEO have an energy agenda?

Manufacturing is your business—making sure you're running efficiently is ours. When you manage plant power consumption with Epicor, the economic impact flows up to business results and into the outbound supply chain.

Manufacturers that use Epicor Advanced MES—in conjunction with an energy management program—save green while going green.

Control Energy Every Step of the Way

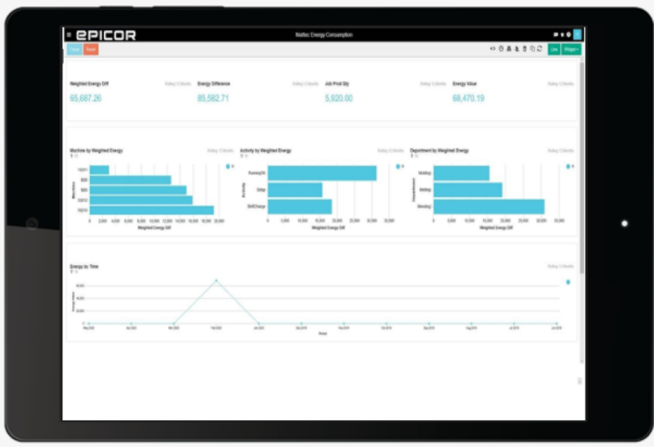
Some problems are easy to solve with pencil and paper, but energy isn't one of them. Even if you're using spreadsheets, it could take days, weeks, or months just to scratch the surface. Advanced MES shows you what you need to know to make the right decisions right now, and it continues to monitor and analyze

Advanced MES

Benefits

- Help lower utility bills and improve cost of goods sold (COGS)
- Enhance brand reputation and corporate responsibility
- Monitor and control energy consumption and understand trade-offs
- Improve product pricing accuracy-capture the direct energy cost to produce any item

performance so you stay on track. We start with energy monitoring devices on machines to monitor the usage of electricity, air, gas, etc. Using an open connectivity protocol (OPC) communication, the Advanced MES database captures the data and delivers real-time analysis, scorecards, and historical reports to front-line managers, supervisors, and others who can have a material impact on energy consumption. When you get started with Energy Monitoring, no problem is too tough to tackle.



Pinpoint Energy Savings Opportunities

- Help eliminate unnecessary peak rate use by planning sheddable loads according to lowest-rate periods
- Justify capital expense—analyze energy utilization by asset and evaluate tradeoffs
- Understand the energy cost associated with uptime versus downtime for maintenance planning
- Control quality in the context of energy consumption for machines that are pre-heated or have variable heat settings based on the product being made

Reduce Total Power Demand

- Level machine startup—schedule startups to lower amp consumption
- Optimize maintenance—analyze asset performance and create optimal schedules
- Analyze energy use by machine, job, shift, product, or any other dimension
- Determine which machine uses the least energy to produce any given part

Everyday is a New Opportunity to Reduce Energy Consumption

- "What is the best startup sequence to lower amps?"
- "What is my energy use right now?"
- "Which machine uses less power for a specific job?"
- "Should I idle this machine or shut down and restart later?"
- "What is the best load pattern to qualify for low rates?"
- "How does energy performance today compare to yesterday, last week, or last month?"
- "What is the energy cost to produce each part?"
- "Which maintenance schedule will keep each machine running well?"

Use facts to justify decisions

- "Are we charging customers the right prices?"
- "Should we make more now, or cut back on inventory?"
- "The new machine is more accurate, but the old machine uses less power."
- "We can run two machines and get done on time, or run one machine with overtime. Which approach is more cost-efficient?"

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