

Ampla Energy



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Real-time energy management

Energy is a key input of the production process. Consequently, business leaders are moving beyond equipment efficiency and are employing active energy management strategies, along with continuous improvement techniques such as Lean Manufacturing, to achieve sustainable energy savings and reduced costs.

Like other raw materials, energy usage varies with the production rate, the operating state of the equipment, and the product being produced. Ampla Energy provides your operations team the tools to manage energy, in real-time, at the point of use. Ampla Energy helps your teams schedule the energy needed and determine where energy is being wasted. By analyzing energy events with actual production performance you can turn energy data into actionable intelligence.

Realizing the true cost of energy

Ampla Energy identifies and quantifies potential energy savings to help ensure your production facility is operating at its peak energy effectiveness. It identifies where, how and why energy is being wasted, delivering visibility and control over energy consumption and usage.

Ampla Energy monitors energy demand and captures events where the demand exceeds the target. Energy events are automatically captured, freeing operators from paperwork and therefore removing the inaccuracies of manual systems. Combining these energy events with accurate context information uncovers the true cost of energy and energy waste. By identifying when energy is being wasted, Ampla Energy can alert operators to take corrective action, leading to sustainable energy savings, optimized performance and reduced operating costs.



Customer Benefits:

- Put energy in context with production and operations to turn energy data into actionable intelligence
- Energy event classifications allow native drilldown to easily undertake root-case analysis

40%

of operating costs are typically represented by energy so improving energy consumption helps your bottom line

Customer Benefits

- Realize measurable energy savings through improved visibility and control of energy usage and consumption



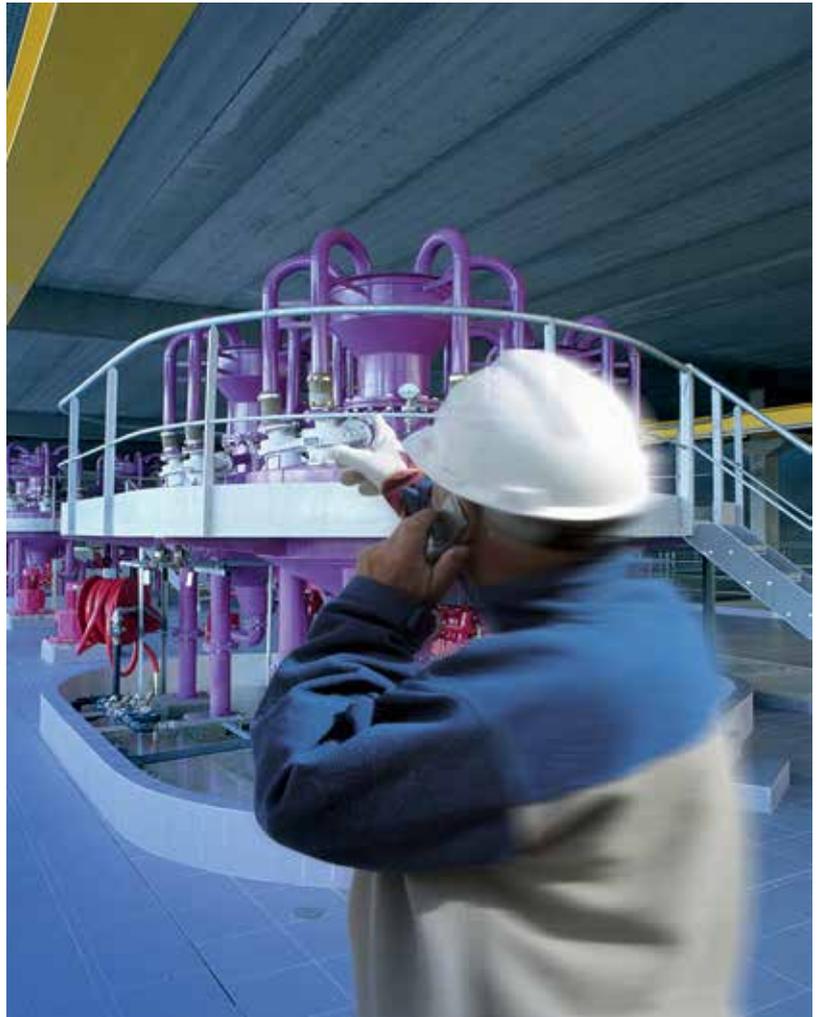
Ampla Energy captures energy events and enables root-cause analysis



Monitor energy KPIs and get accurate baselines for energy efficiency



Powerful digital dashboards display energy performance in real-time



Turn energy data into actionable intelligence

Ampla Energy is an ISA-95 Level 3 System. It is vendor agnostic and interfaces with your existing control systems, process historians, MES/MOM and ERP solutions.

Operations don't just look at a dashboard. They work interactively with Ampla Energy so that it delivers a complete analysis of energy usage in your production process, exposing the causes of any energy over-consumption events. This energy data becomes actionable intelligence that helps benchmark your process so that you can measure your improvements over time, identify new savings opportunities, stabilize energy usage, and improve operating procedures.

In addition, Ampla Energy offers energy analysis such as KPIs, targets, and actual consumption, by the different tariff periods (e.g. peak and off-peak). By providing improved visibility into your production process and energy events, Ampla Energy allows you to effectively plan for load shifting to avoid peak rates.

Combine Gantt, Pareto or Pie charts with KPI gauges to obtain a powerful digital dashboard of your energy consumption. Providing a real-time, visual display of your actual production, these dashboards can help drive a culture of continuous improvement, particularly around energy efficiency, into your organization.

Ampla Energy can help you to understand where, and how, you are consuming energy across your process, ensuring you can reduce your operating costs and achieve energy excellence through continuous improvement initiatives. Likewise Ampla Energy allows you to benchmark your process so that you can measure your improvements over time.

By delivering better visibility of your process, Ampla also empowers your operations team to respond to production events in real-time. Enabling them to adjust the production environment to optimize the process for improved production and reduced energy consumption simultaneously.



Customer Benefits:

- Reduce penalties for over-consumption
- Validate energy savings programs
- Plan for load shifting to avoid peak rates
- Automatically capture energy events
- Automate the routine collection of production and consumption data
- Stabilize your existing energy usage
- Understand the true cost of your WAGES energy sources
- Drive energy efficiency initiatives through your organization

Schneider Electric

Schneider Electric Software
26561 Rancho Pkwy S,
Lake Forest, CA, USA 92630
Tel: +1 (0)888 869 0059
<http://www.software.schneider-electric.com>

