

## Energy Monitor - smart energy savings



**INCREASING YOUR OEE SCORE NOT ONLY MEANS ENHANCED PRODUCTION CAPACITY, BUT GREATER ENERGY EFFICIENCY TOO, RESULTING IN VISIBLE BENEFITS TO THE BOTTOM-LINE. WITH THE IDHAMMAR ENERGY MONITOR AND A FEW DISCRETE ENERGY CT METERS; BRINGING DOWN ENERGY COSTS HAS NEVER BEEN EASIER.**

*"In addition to savings in labour unit cost and product wastage, we have achieved significant savings in energy usage. Optimised OEE has a hugely beneficial impact on our energy-efficiency programme which supports our environmental objectives."*

BOB KING, HEAD OF OPERATIONAL EXCELLENCE, PREMIER FOODS

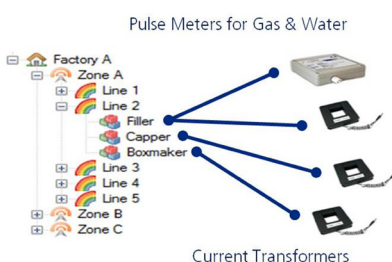
**Idhammar's OEE Energy Monitor** enables companies to discover ways to enhance their energy efficiency way beyond conventional energy saving programmes, with dramatic results on their carbon footprint, using automatic measurement, monitoring and clear reporting tools to enable forward-thinking manufacturers to identify areas of waste and evaluate production and efficiency.

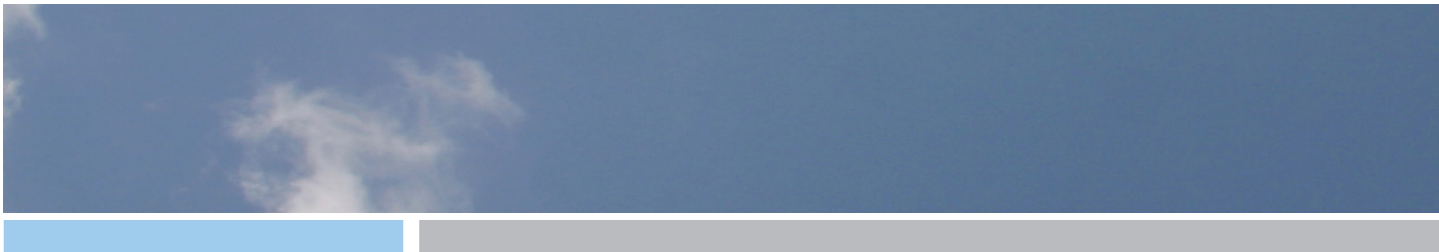
### Benefits at a glance:

- 1: Visibility of energy usage by area, production line and asset
- 2: Energy cost per product, resulting in more accurate cost price comparisons
- 3: Identify rogue assets and asset improvements
- 4: Improved energy consumption forecasts
- 5: Greener manufacturing - reduce your carbon footprint

### Easy to implement, flexible, scalable and configurable

The Idhammar Energy Monitor is fully integrated with Idhammar OEE and the shop floor which allows it to deliver the ability to monitor production and energy performance in real time. Set up is minimal as the EM uses existing asset structure, running hours and product count from Idhammar OEE in addition to the output from energy meters.

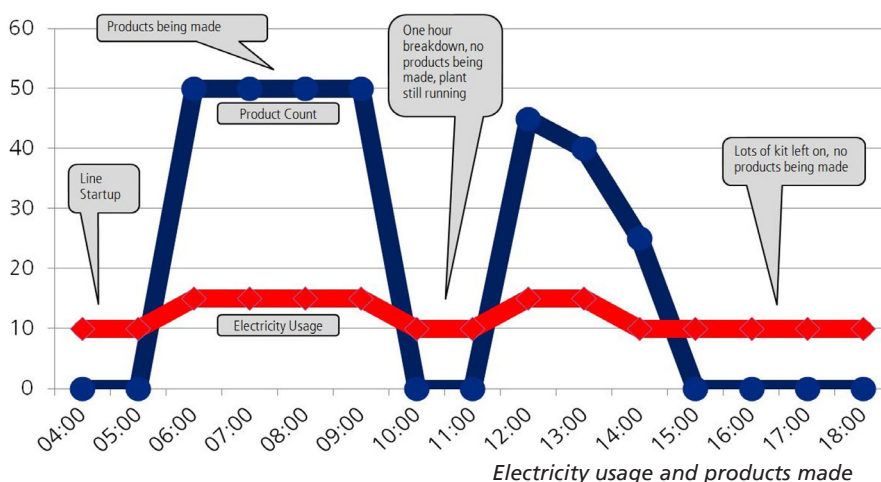




### Real Time Intelligence and Reporting

Ability to quickly drill down to detailed equipment and production order data in order to perform root cause analysis, including the following reports:

- Water and energy consumption trends by site, area, line, cost
- Water and energy comparisons by units produced
- Highest consumption assets by meter type
- Consumption against time



### Smarter Decision Making

Drive and support decision making to determine the factors that contribute to wasted energy, such as: unplanned production stops, slow running, lack of materials and wrong date code that impact energy efficiency. By gaining full visibility of energy consumption and losses the production team are able to ensure that they operate the plant at the maximum effectiveness. The Idhammar Energy module gives you the power to key answer questions such as:

- Where are the energy saving opportunities?
- Where is the value added and non-value added energy consumption?
- Which assets consume the most energy?
- What is the energy consumption for products made and the energy cost per product?
- Can we turn heaters on later or source more efficient heaters?
- Can the plant go faster for the same energy usage?
- Can assets be turned off during a breakdown or shutdown automated?

To find out more about Idhammar's Energy Monitor and OEE Systems, or to discuss how we can contribute to your world class manufacturing programmes,

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