



Eniscope Drives Huge Industrial Energy Savings

DIHEGO enjoying up to 36% reduction in energy spend.

A meat processing plant in Honduras is experiencing the full force of the Eniscope energy monitoring system and its capacity to drive huge operational and behavioural change.

The project has been executed by Lumen Energy Solutions, a global best.energy partner. Despite only having worked with the new Eniscope technology for less than six months by the time this project started, they have been able to fully harness its awesome potential.

The secret lies in a powerful energy management philosophy, based around engaging with the client at every level.

What was the problem and biggest waste area identified?

Industrial process plants of all types tend to be very inefficient when it comes to energy use, in a large part because processes tend to be managed and incentivised in terms of **production** speed and efficiency - **not energy**.

In this case, one of the biggest areas of inefficiency was the refrigeration units. Crucial to a meat processing plant, the system of loading and unloading from these was hugely energy inefficient - with the doors open up to 5 hours every day!

The direct and immediate impact of the savings in this project resulted in a staggering **ROI of just 2/3 months**.

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The Solution

As with all energy management projects, the process began by installing real-time energy monitoring - Eniscope. This allowed the team at Lumen, and the client themselves, to see in minute-by-minute resolution where energy was being wasted.

The refrigeration units were quickly identified as a big energy waste culprit. In the spirit of collaboration that is central to their company philosophy, Lumen began a consultation with all levels of the DIHEGO hierarchy to develop a solution. The key was to save energy, without impacting process efficiency.

The Importance of Engagement

That consultation process was key and a lot of time was spent educating, training and brainstorming with the staff at DIHEGO to ensure they were fully on board with the energy saving mission.

In the end, it was the floor-level operatives themselves that came up with the best solution. Instead of leaving the doors open during the whole process, they would stack the food outside of the doors - then shift it inside in one go.

This new process reduced the time the doors were open to just 30 minutes - with a huge cumulative energy impact.

The two key ingredients?
Visibility and engagement.

What does the future hold?

“This project really shows the power of change management when you’ve got the data Eniscope supplies. But of course, the project doesn’t end here! We have only scratched the surface for this facility, and there is scope for a number of additional retrofit solutions to improve on our results.”



Jinsu Chang,
CEO @ Lumen Energy Solutions

The Headline Figures

Monthly Cost Savings
\$7000

Annual Cost Savings
\$84,000

Energy Savings
Up To 36%

ROI Period
3 Months

