

INTRODUCTION

Working with leading retail manufacturing company **HDI Ltd**, through a strategic, measured and planned approach, **Pulse** were able to drastically **reduce emissions, improve efficiency** and ultimately achieve the business **huge savings** across their energy usage.

A massive part of global supply chains **HDI Ltd** produce a selection of fittings and fixtures for some of the biggest and most recognisable brands in the world. From Halfords to

adidas their customers are varied and, given the unique requirements of their industry and size, so too are the challenges which they face.

By taking the time to understand these challenges, **Pulse** delivered a bespoke plan to help alleviate concerns and tackle problem areas, combining their **cutting-edge EMS hardware** with a wealth of sector knowledge to deliver impactful and data-driven results company-wide.



CHALLENGES

Words From Nigel Potter - Purchasing & Estimating Manager

Like many businesses within our industry, we use huge amounts of energy in order to run our operations and deliver the levels of production our clients need. With current **market prices around both gas and electricity getting higher year-on-year** and having already secured the most beneficial contracts possible, we began to explore the possibilities of **increasing our efficiency** with the aim of **reducing our overall usage**.

Aside from **concerns about costs**, we also had several **sustainability goals**, which led us to work with Pulse. Due to our major part in the supply chain for most of the companies we work with **clarity around our emissions** and being able to have clear steps in how we are actively trying to reduce these is paramount. This means we not only have a clear path toward our **net zero goals but become more**

“PULSE REDUCED OUR OVERALL CONSUMPTION BY 15% IN THE FIRST YEAR”

sustainable in our practices across the business which is always important for us.

With **efficiency, sustainability** and **cost** identified as our top priorities, the next challenge we faced was around not only how we begin the process of tackling these areas but how we actually **measure the impact** of the steps we take.

With a large manufacturing site and multiple pieces of equipment operating daily, without the ability to measure, we were essentially making decisions in the dark.

“THE PROCESS WAS QUICK, SEAMLESS & BROUGHT TO OUR ATTENTION MAJOR OPPORTUNITIES”

SOLUTION

The first thing Pulse did was equip us with their **EMS hardware**. Fitted by their engineers, this allowed us to immediately **fix our issues around measuring** and begin tracking exactly what, when, and how much energy we were using accurately.

By leaving this equipment in place for a month, we were able to establish a

baseline, meaning we now not only had a wealth of data but **something to compare against** when we made any changes to our daily operations.

Pulse then assessed the data which they had collected and began the investigation stage of the process, looking into things such as **consumption anomalies, trends in operational hours, equipment use, energy spikes** and so on.

Finally, Pulse were then able to implement a **reduction strategy** based on these findings and presented it to us in an easy to understand and concise way, suggesting the necessary follow-up steps to achieve our goals.

The whole **process was quick, seamless** and brought to our attention **major opportunities** as well as clear ways forward.



KEY FINDINGS

Using our **industry-leading approach** and **smart EMS solutions** within only the first few months of working with HDI Ltd we were quickly able to identify a number of areas where improvements could be made.

Some of these key findings were...

- During non-operating hours machines were using over 20,000kwh per year the equivalent to powering 7 family households.
- Air compressor inefficiencies leading to wasted consumption of 32,000kwh per year.
- Over 53000 kwh of wasted energy being used per year unnecessarily.

OUTCOME

During the **first 3 months** from November, when the installs took place to February, Pulse were able to **improve our overall efficiency by 12.59%**. Our **initial goal was to get this down by 10%** so this was a massive step in the right direction for us as a business.

Since continuing our relationship with them now at the year mark we are pleased to say **we have now increased this percentage to 15%**.

These savings have come from a variety of different aspects identified from their assessment. Including **machines operating when they shouldn't be, to better ways to use our equipment and clarity around our emissions**, their suggestions have been an incredible asset to not only **bringing costs down but increasing our efficiency and sustainability**.

We look forward to working with them over the next 5 years.

“WITH THEIR EMS TOOLS PULSE IDENTIFIED OVER 53,000KWH OF WASTED USAGE PER YEAR”



www.pulse-controls.com
demo@pulse-controls.com

Call us:
0207 099 9480