



## Case study: Clwyd Compounders

EMaaS



### Background

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**Clwyd Compounders are a manufacturer of custom rubber compounds based in North Wales.**

Their business is energy intensive, and as such, an increase in energy costs has a huge impact on their production.

After their supplier withdrew from the market, they looked to mitigate the impact of energy price rises and increase their efficiency measures, and they engaged Inspired to help them achieve their goals.

### The Challenge

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Clwyd were keen to get the best deal on procurement when they renewed their energy contracts, as well as optimise their production efficiency.

They also needed to respond to both government targets and client expectations in regard to net-zero and sustainability.

They had little insight into how they consumed energy on site and wanted to understand how they could become more resilient and self-sufficient with their energy supply.



# The solution

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**Clwyd partnered with Inspired and used our EMaaS solution to address 'the four Cs' challenge.**

## **Cost:**

The Inspired team moved Clwyd onto a new energy supplier to manage future costs flexibly and protect them from future cost increases whilst still being able to take advantage of falling prices. In addition, our Bill Validation service gave the client peace of mind they were being charged correctly and only paying for the exact energy they consumed, which supported their internal budgeting process. We then worked with the client to assess their potential for on-site generation.

## **Compliance:**

We took over management of Clwyd's Climate Change Agreement (CCA) scheme to maximise relief whilst remaining compliant. We also provided performance reporting for benchmarking against targets and minimising the risk of penalties.

## **Consumption:**

We deployed Circuit-level Monitoring (CLM) and water monitoring equipment on site so that Clwyd could better understand their energy usage "behind the meter", giving them granular visibility of individual assets and circuits.

## **Carbon:**

To assess Clwyd's environmental impact, we are measuring their Scope 1, 2 and 3 emissions. This will lead to development of a net-zero strategy and target which will, in turn, reduce their carbon footprint and ultimately benefit the business commercially.

# The results

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The implementation of Circuit-level Monitoring quickly identified opportunities to reduce consumption and increase efficiency, resulting in a **saving of over £48,000 and 22 tons of CO<sub>2</sub>**, meaning the client achieved an ROI and profit within the first quarter of service delivery. The water system findings also mounted to an **additional £16,500 and 10 tonnes of CO<sub>2</sub> savings**.

By providing Clwyd with access to risk managed strategies for energy procurement, Inspired have managed to secure **savings of £62,734** for this year's energy contract and in-line with current trading, Clwyd can expect to see **a further reduction of £53,679 for next year**.

Inspired's on-site feasibility study found that Clwyd's Wrexham site was suitable for solar PV generation which following install from our specialist team, **generates over 290,000kWh of renewable energy per year**. Clwyd now generate their own renewable energy, reducing their exposure to the volatile wholesale market. The client's payback on the current installation, which is on a 25-year warranty, is less than 2.5 years.

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# Testimonial

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“Prior to engaging with Inspired PLC, our energy management requirements were dealt with by a variety of energy advisors. This was fraught with headaches such as unreliable service, difficulties with contract and pricing management, and service levels which were below an acceptable standard.

Since moving all of our energy management to Inspired, there is only one word to describe their service and that is ‘faultless’. We now have a system which is giving us unrivalled service in terms of scaled energy procurement, operating cost reductions and excellent visibility of future costs. Furthermore, the Inspired Team are a pleasure to deal with, always listening carefully to customer requirements and ensuring first class customer service is delivered every time.

Inspired now not only act as our energy brokers but have been the providers of our 330KW solar PV system, our energy consumption analytics, managing our climate change agreement and our journey to net-zero.

For every aspect of energy and carbon management, Inspired are our ‘one stop’ solution partner and come with our highest recommendation.”

**David O’Hare, Managing Director, Clwyd Compounders**

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**Speak to our  
experts today:**

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