

# Cutting energy use and cost through behaviour change and real-time monitoring



**£140,700**

**Estimated annual saving\***  
(£ exc. VAT/yr)



**£844,000**

**Estimated cost to  
implement\***  
(£ exc. VAT)



**3.2 Years**

**Estimated payback  
period\***



**1,447,100kWh**

**Estimated annual  
energy saving\***  
(kWh/yr)



**322.59tCO<sub>2</sub>e**

**Estimated annual  
carbon saving\***  
(tCO<sub>2</sub>e/yr)





## Balancing precision chemistry with rising energy pressures

Robinson Brothers is a family-run manufacturer of speciality chemicals, operating from its original West Midlands site since 1869. Supplying global clients in pharmaceuticals, food, agriculture, and consumer goods, the business combines in-house R&D with full-scale production. As a regulated, energy-intensive operation, rising energy costs had a major impact: by 2023, bills reached £2.3 million a year – 16% of total manufacturing costs – placing it at a disadvantage to overseas competitors with lower rates.



**“The support from Pro Enviro and the BEAS programme has been transformational. We’ve already seen tangible changes in how we use energy and how we think about it. The audit didn’t just confirm what we knew – it opened our eyes to simple, high-value actions we’d overlooked. We’re now reinvesting the savings to drive even more improvements.”**

Adrian Hanrahan

Managing Director, Robinson Brothers Ltd

## Powering down to move forward

By 2023, the company’s annual energy bill had soared to £2.3 million, accounting for 16% of its manufacturing costs – double the proportion just two years earlier. Competing with international producers benefitting from much cheaper energy, Robinson Brothers needed urgent solutions to safeguard its future and remain commercially viable.

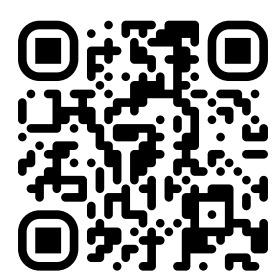
By committing to the five projects identified through BEAS, Robinson Brothers expects to reduce energy use by 1.1GWh annually and save £75,000 a year on energy costs. These upgrades represent a meaningful first step in the company’s long-term energy strategy.

The programme also provided a broader roadmap to support future decisions on decarbonisation and carbon tracking. Importantly, the engagement allowed Robinson Brothers to maintain 24/7 operations throughout the audit, with no production disruption.

With funding matched 50:50 by the business and the UK government, Robinson Brothers has ringfenced its savings to reinvest in further reductions. This ongoing improvement is seen as key to both remaining globally competitive and meeting the expectations of major blue-chip customers.

## Results that add up

The five projects are expected to reduce energy use by 1.1GWh and save £75,000 a year. All work was done without disrupting operations, with matched funding helping accelerate return on investment (RoI). Robinson Brothers now uses real-time energy data to guide further savings and has committed to reinvesting results into future improvements. The BEAS programme also provided a long-term plan to help meet sustainability targets and improve competitiveness.



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your FREE business  
energy assessment**