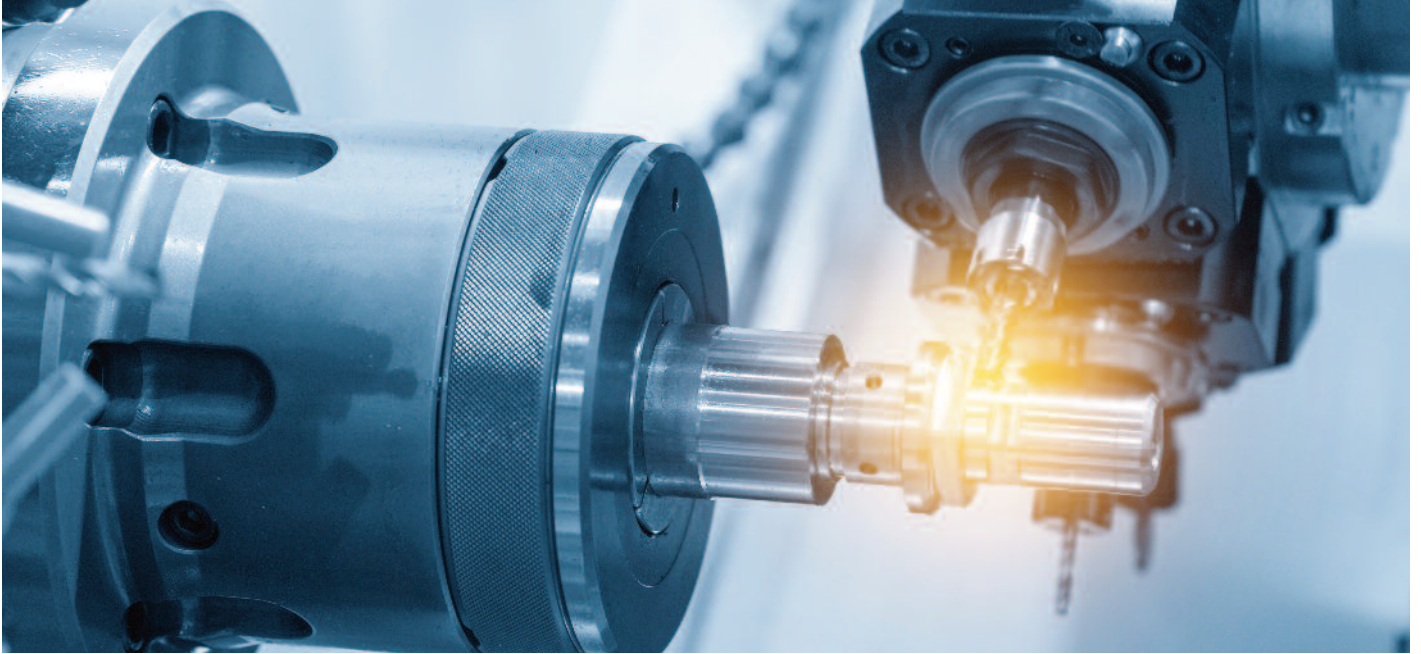


SECTOR FOCUS : **MANUFACTURING**



**WILSON**  
POWER SOLUTIONS

*Responsible Power Engineering*



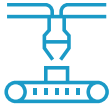
## **YOUR SECTOR:** **PROCESS MANUFACTURE**

We understand that when it comes to manufacturing it's crucial to keep everything on time and on budget. With that in mind, you need to make sure your power supply is secure and reliable, as without it you might find yourself up against impossible quotas. Plus, with the unavoidable cost of energy reducing margins, any savings you can make will go directly onto your bottom line.

Our transformers are reliable and durable, and can reduce your energy wastage and costs. Plus if you choose our super low loss amorphous models you can even see significant reductions in your carbon footprint, all without changing a single process. We've installed our transformers at over a thousand sites across the UK and internationally, so you can be assured we have the experience to help you.



**WILSONPOWERSOLUTIONS.CO.UK**



## CASE STUDY



A leading manufacturer of paper, Smurfit Kappa have a strong sustainability agenda that requires they reduce their energy wastage. Following an energy efficiency review, their Stalybridge production site was identified as being able to benefit from voltage management. With the supply transformer owned by the company, the decision was made to replace the existing transformer with a modern super low loss amorphous unit that would provide savings through reduced transformer losses, as well as reduced supply voltage to site.

The installation of the Wilson e2 Super Low Loss Amorphous Transformer, combined with a 5.9% voltage reduction, has significantly reduced the kWh used at the Stalybridge site. The projected annual savings (based on £0.09/kWh) are in excess of £10,500 per annum. The payback on the total investment including transformer purchase and installation will be achieved in under three years.

**£10,500 Annual Savings**  
(based on £0.09 /kWh)  
– 99,176 kWh Reduction Annually

### INSTALLATION BENEFITS AT A GLANCE

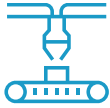
1. Electricity usage reduced by 3.5%
2. Site voltage reduced from 244V to 230V
3. Improved power factor

Learn more by reading our full case study.

**Download it now:**

[wilsonpowersolutions.co.uk/case-studies](http://wilsonpowersolutions.co.uk/case-studies)





# CASE STUDY



McCain was founded more than five decades ago on “good and responsible” business ethics. To date, McCain continue to live by these ethics and put sustainability at the centre of everything they do, including improving the energy efficiency of their manufacturing plant and infrastructure.

The replacement of an existing nine year old 1.6MVA, 11kV:433V, CRGO transformer (manufactured in 2006) with a Wilson e2, 2MVA, 11kV:415V, 2021 Eco Design compliant, super low loss, amorphous core transformer (manufactured in 2015), combined with a reduction in supply voltage has delivered energy savings of ~273,00kWh and financial savings of over £22,000 per year.

**£22,500 Annual Savings**  
(based on £0.08 /kWh)

– 272,949 kWh Reduction Annually

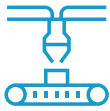
## INSTALLATION BENEFITS AT A GLANCE

1. **Cut 12t of CO<sub>2</sub> pa**  
(based on 0.44548kg of CO<sub>2</sub>/kWh)
2. **CCL reduction of around £670 pa**  
(based on 2015 rate of 0.554p/kg).

Learn more by reading our full case study.

**Download it now:**

[wilsonpowersolutions.co.uk/case-studies](https://wilsonpowersolutions.co.uk/case-studies)



## CASE STUDIES: AT A GLANCE



### United Biscuits

As owners of some of the most recognisable brands on British and international shelves, including McVitie's and Jacob's, United Biscuits have a constant demand for production, and so need to make the most of their energy. They've ordered three Wilson e2 transformers from us, including 1MVA, 1.25MVA and 1.5MVA ratings. As a result, United Biscuits are saving money on their energy bill every minute of every day, as the lower losses add up over time.



### Arla

A European dairy co-operative known around the world, Arla is owned and operated by 12,000 dairy farmers who consolidate their efforts into creating butter, cheese and other dairy products for a global market. We supplied them with a 1MVA Wilson e2 to their Effluent Plant in Devon via their contractor, who sourced us to help provide the best value for money and reduce environmental impact.



### Unilever

With a portfolio of products as broad as Unilever's, prioritising the few aspects of the process that are universal is essential. Fortunately the Wilson e2 works perfectly under all their conditions, and as a result prevents energy wastage no matter what product is being produced. Over the years Unilever has installed the following Wilson e2 transformers:

- 1MVA (x4)
- 2MVA (x2)
- 1.25MVA (x2)
- 315kVA (x1)

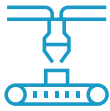


### British Sugar

The sole processor of the UK's beet sugar crop, British Sugar are the leading producer of sugar for the British and Irish food and beverage markets. With manufacturing plants that output 1.4 million tonnes of sugar a year, it's important for British Sugar to have a reliable energy supply to avoid the damage downtime could do to their production line. The Wilson e1 provides that reliability, and the three 1.5MVA installations have ensured that British Sugar can rely on their energy supply to keep them going.







## CASE STUDIES: AT A GLANCE



### BASF

A world leader on chemical production and engineering, BASF are committed to a sustainable future. Part of that future involves running their manufacturing with a strict energy efficiency policy. To that end, BASF have installed a 2MVA Wilson e2 on their site to reduce their carbon footprint by increasing their transformer efficiency.



### Rolls Royce

Nobody can compare to Rolls Royce when it comes to reputation and prestige. Their engines, automobiles and power systems are synonymous with quality and innovation, and through their selected contractor we have provided them with a Wilson e1 transformers at their Bristol site (1MVA), their Filton site (1MVA), and their Inchinnan site (1.5MVA), and a specially ordered cast resin transformer at 1.6MVA.



### Gestamp

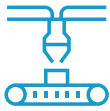
Founded in 1997, Gestamp provide car chassis and mechanisms to companies across the world. Their industrial manufacturing requires an enormous amount of power to keep their cutting edge technology working, and so the 2MVA Wilson e2 they have installed will help them run their plant efficiently, saving money and reducing their CO2 output.



### Baxter Healthcare

With products that are used to help millions of people every day, Baxter provide various medical supplies and services, including IV and Irrigation Solutions, Pharmacy Services and Surgical care. We provided a Wilson e1 with a rating of 1.5MVA through their contractor, giving them a secure and reliable energy supply to site.





## CASE STUDIES: AT A GLANCE



### Airbus D&S Ltd

Delivering over 10,000 aircraft a year requires that Airbus, the 2nd largest aerospace company in the world, keeps a tight control over their energy supply. To that end we have supplied them with an 800kVA Wilson e1 in order to ensure they have a reliable transformer they can be confident will be a reliable asset throughout its lifespan.



### International Paint

With 16 manufacturing plants and operations in 60 countries, International Paint provide coatings for marine vehicles of all types and sizes. Their manufacturing plant in Gateshead houses one of our Wilson e1 with a 1MVA rating, ensuring their energy infrastructure is sorted for decades to come.



### Forbo Flooring

Providing high quality commercial and residential flooring to clients around the world, Forbo have installed two 1.5MVA and a one 1MVA Wilson e2 Super Low Loss Amorphous Transformer. The energy savings made from the amorphous technology will reduce costs, energy wastage and help decrease their carbon footprint.



## THE BEST SOLUTION FOR YOUR POWER NEEDS

Recognising the importance of integrity and reliability, we believe in building lasting partnerships with our customers is based on technical knowledge, superior product performance and mutual trust.

To find out more:  
please call us on 0113 271 7588 or  
email [info@wilsonpowersolutions.co.uk](mailto:info@wilsonpowersolutions.co.uk)

