



SECTOR FOCUS : NHS



WILSON
POWER SOLUTIONS

Responsible Power Engineering

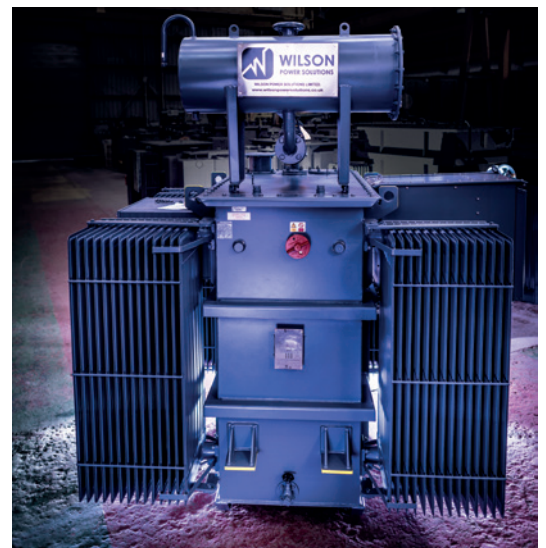


NHS & HEALTHCARE

The NHS consumes more energy than any other public service in the UK, and requires that not only are costs kept within reasonable bounds, but that the supply is reliable and adaptive. Ensuring a consistent and secure power supply isn't just about managing costs– it's about guaranteeing your patients the treatment they need from highly specialised equipment.

Wilson Power Solutions is a conscientious company that works with hospitals and trusts across the country to help them make the right choices when it comes to energy infrastructure. Our transformers are all designed with EU Eco directives in mind, and our super low loss amorphous model, the Wilson e2, achieves the upcoming Tier 2 targets, making it among the most efficient and reliable transformers on the market. We also provide a variety of voltage management solutions that allow you to control your energy, so that you make the most of the power you use.

We have worked with hospitals of all types and sizes, providing our knowledge and expertise to every site. You can find our super low loss amorphous transformer the Wilson e2 all over the country, from Manchester and Blackpool, to Aberdeen and Charing Cross. In all cases the new transformers have provided energy savings from their use of amorphous core technology, and have helped some hospitals take control over their energy supply with voltage management equipment.



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HOSPITALS WE'VE WORKED WITH



The Christie NHS Trust Manchester

Providing the UK with its first high energy proton beam therapy service, The Christie NHS Trust requires an incredibly durable power supply that makes the most of what is used, so they opted to install four 2MVA Wilson e2s to accommodate this revolutionary technology.



Salford Royal Hospital - Salford

Salford Royal Hospital aims to be one of the safest in the UK, so they installed one of our Wilson e1 transformers at a 1MVA rating to ensure a secure and reliable energy supply.



Charing Cross Hospital - London

Located in the heart of London, Charing Cross Hospital have installed 2 of our super low loss amorphous transformers, the Wilson e2. This will allow them to save tens of thousands of pounds over the course of the transformer's expected lifespan through reduced core losses.



Woodend Hospital - Aberdeen

Originally founded to help those with tuberculosis and pneumonia, Woodend Hospital expanded into a general hospital in 1959, and in 2012 they upgraded their infrastructure to include an 800kVA Wilson e2, an investment that should see their power supply efficiently used for at least the next 25 years.



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University Hospital Crosshouse – Kilmarnock

With over 600 active beds in the facility, Crosshouse uses a huge amount of energy on a variety of specialized equipment. In order to maximize cost savings and keep their supply secure, they installed four 1250kVA Wilson e2 transformers in 2011.



Wexham Park Hospital

Renowned for its plastic surgery, with a particular speciality in hand surgery, Wexham Park Hospital has installed a 1000kVA Wilson e2 to improve their energy infrastructure, and will install another before the end of 2017.



Royal Preston Hospital

Opened in 1983 as part of Lancashire's Teaching Hospitals, in 2016 an infrastructure upgrade led to a 1MVA Wilson e2 being fitted into the hospital's power system. It has helped the hospital reduce running costs by using amorphous technology to decrease load losses.



Altnagelvin Area Hospital

A major hospital for Northern Ireland, the construction of a new radiotherapy unit required the addition of new distribution transformers. We supplied two 1250kVA Wilson e2, which has a minimum expected life of 25 years, meaning it'll help provide the infrastructure the hospital needs for years to come.



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CASE STUDY

University Hospital of South Manchester

As one of the greenest hospitals in Europe, the University Hospital of South Manchester has a reputation to uphold, and as a result they have sought out energy efficient solutions throughout their operations. They enquired about our super low loss amorphous transformer, the Wilson e2, as they identified it as a major energy saver, not only through its use of amorphous core technology, but also as a voltage management device.

Following our installation of the Wilson e2, and combined with a 6.3% (TX1) and 6.6% (TX2) voltage reduction, an independent power quality management company concluded that there had been a significant reduction in the kWh used. The savings made by using the Wilson e2 on a Tap 3 setting were 5.9% (TX1) and 6.0% (TX2), with an estimated saving of £31,010 per annum (based on 9p per kWh).

The reduction in voltage also improved the site's power factor, and this upgrade provides a long term improvement, as each transformer has a minimum life expectancy of 25 years and will provide a payback in difference within 3 years. Overall the Wilson e2 has helped UHMS save money, energy and reduce their carbon footprint.

Get in touch and find out how Wilson Power Solutions can help benefit your hospital's estate:

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3 YEARS
PAYBACK


£31,000
ANNUAL SAVINGS



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