

Safe, reliable and sustainable power networks

UK Power Networks Services is the commercial arm of UK Power Networks that manages private energy networks and delivers major national power infrastructure projects for customers on a competitive, commercial basis.

Relationships that are built to last

In 2023/24, we were delighted to recognise the longevity of several major projects that we – and our predecessor companies – have worked on for twenty and thirty years. We aim for a partnership in our business relationships, so it is rewarding to be able to celebrate these long-standing associations. For the past 30 years we have owned, operated and maintained the critical power networks that have kept three major airports – Heathrow, Gatwick and Stansted – running smoothly. We have built on these projects and are also working with the airports to reduce carbon emissions and mitigate the environmental impact of increasing air travel.

We also marked the twentieth anniversary of our relationship with HS1, the UK’s only high-speed railway. The partnership goes well beyond this; our company designed, built and commissioned the network that has transported over 100 million passengers since it opened in 2003. We continue to work with HS1 to help it drive forward its green Net Zero agenda. For example, in 2023/24, we supported the line in its introduction of regenerative braking, which allows the energy released when a train brakes to be picked up and used by other trains on the line.

We continue to bring our expertise to bear in the field of transport, with new projects in 2023/24 with the Docklands Light Railway and London Trams.

Zero LTIs

UK Power Network Services has achieved more than eight years without a Lost Time Injury (LTI)

Focus on renewables

Much of our focus in 2023/24 was on helping our clients make progress towards their sustainability objectives. For Yorkshire Water, UK Power Networks Services is building one of the largest EV charging installations in the UK as the water utility works towards a fleet of electric vehicles in line with its Net Zero ambitions. The scheme brings together all aspects of EV charging, including installation, operation, maintenance and management of the infrastructure. We are also helping our sister company, UK Power Networks, to reduce its carbon footprint by introducing EVs to its fleet of company vehicles (see page 23). UK Power Networks Services has also been appointed to develop a primary EV Strategy to support Southern Water to transition its fleet vehicles to electric and low-carbon alternatives.



Our trailblazing partnership with resource management company Veolia continues, supporting Yeovil District Hospital to decarbonise, and helping Veolia to introduce electric refuse collection vehicles across Westminster City Council. For this latter project, we have introduced 21 charge points to support 40 electric vehicles. Refuse collection vehicles in London are prime candidates for electrification as they operate within Central London’s Ultra Low Emissions Zone; and it is the nature of their use to stop and start frequently in residential areas. Electrification not only reduces emissions and improves air quality, it also makes the vehicles much quieter.

How we are...

building relationships that last

OUR INNOVATION STRATEGY



“I want to say a huge thank you to everyone involved in making it happen. It is a real example of using innovative technologies to move us towards a cleaner and more sustainable future.”

Councillor Glen Sanderson
Council Leader and Cabinet Member for Climate Change

CLEAN ENERGY FOR NORTHUMBERLAND COUNTY COUNCIL

In 2023/24, UK Power Networks Services delivered a pivotal project for Northumberland County Council to install solar infrastructure in one of the largest solar car port installations in the UK.

It features 800kW solar panels and provides weather protection for electric vehicles. Additionally, there is a 400kW battery energy storage system with smart controls to optimise energy use, carbon emissions and costs.

Energy from the solar panels is used to power the main building and provide electricity to EV charge points for fleet and staff vehicles.

120 EV charge points were installed in the staff car park, including 100 fast chargers and 20 rapid chargers.

What this means for our customers

This project will provide clean energy for the Council’s headquarters and is expected to save between £100,000 and £150,000 on energy costs each year, as well as saving over 250 tonnes of carbon emissions.

OUR CLIENTS

Our portfolio includes a range of high-profile organisations from both the public and private sectors, including five of London’s airports, High Speed 1, Network Rail, London Underground, Southern Water, Aspire (Ministry of Defence) and Canary Wharf.



ACCREDITATIONS

Our accreditations reflect our world-class engineering capability, safety and quality record, and enable our work with the UK’s leading companies.

