**Moixa, UK Power Networks Services, UPS and Cross River Partnership collaborate on smart EV fleet charging innovation project with Innovate UK**

*New project to break down barriers to electrification for global fleet operators*

The EV Fleet-Centred Local Energy Systems (EFLES) project is aimed at optimising logistics companies’ growing EV fleets and demonstrating how smart charging can incentivise large fleet operators to go electric; cutting carbon emissions, air pollution and energy costs.

The project, set to begin on 1st May 2020, is spearheaded by [UK Power Networks Services](https://www.ukpowernetworksservices.co.uk/), the power distribution expert, alongside [Moixa](https://www.moixa.com/), the smart charging specialist, global logistics company [UPS](http://www.ups.com/?Campaign_id=BOILERPLATE_PRESSRELEASE_END_UPSCOM_050319#_blank), the not-for-profit partnership organisation delivering positive change for London, [Cross River Partnership](https://crossriverpartnership.org/), and [Innovate UK](https://www.gov.uk/government/organisations/innovate-uk).

This project will show how Moixa’s GridShare artificial intelligence (AI) software can break down the barriers to electrification for global fleet operators by maximising the cost and carbon savings from EVs. GridShare will analyse hundreds of data sources at UPS’ Camden depot – including energy prices, power demand and the weather – to optimise EV charging, as well as power supply and demand in order to demonstrate how to effectively cut costs. Vehicles will be able to charge when power is cheapest and cleanest by, for example, using onsite energy storage and solar at the most cost-effective times.

*“Our ever-growing online shopping rates mean we’re delivering more things than ever before – everything from food shopping to medical supplies – and that’s having a big impact on carbon emissions and air pollution in our cities. Mitigating these impacts is a massive challenge but this project shows how with the help of the AI powered technology, like GridShare, the world’s biggest fleet operators can go electric and achieve their environmental ambitions,”* said **Simon Daniel, CEO of Moixa**.

There are more than five million vans, trucks and buses on UK roads, responsible for millions of tonnes of carbon emissions every year. By 2040, 87% of these are expected to be electric and this project will show how fleet operators can integrate smart charging, onsite storage and renewables to manage this transition in a cost-effective way.

In addition to managing smart charging of EVs, Moixa’s GridShare software can manage onsite energy assets like solar PV and energy storage, including second life batteries from retired EVs that can unlock new value for fleets. The project will also assess how a site’s electricity demand can be flexed to balance power on the local network.

UPS will provide its expertise in fleet operation and act as a testbed to demonstrate the business case for AI-led local energy systems, providing a blueprint for other global fleet operators to follow. In January 2020, UPS announced a commitment to buy 10,000 tailor-made electric vans from UK start-up Arrival. UPS also took a minority stake in the company, demonstrating its commitment to decarbonising its fleet. The Camden site will be used to develop and test the system, as well as to illustrate the business need for this innovative solution that is helping to break down the barriers surrounding large scale transitioning to EV fleets.

**Claire Thompson-Sage, Sustainable Development Coordinator at UPS**, said: *“As leading experts in transport logistics, UPS champions alternative energy use. We have the global expertise, smart-charging infrastructure and resources to host this first-of-a-kind testbed at our Camden facility. This project will build on our EV infrastructure technology to help develop a holistic local energy system. We are proud to spearhead such an exciting smart-grid project and look forward to taking it to the next level by making it even smarter.”*

Cross River Partnership will assess how these technology solutions can deliver London’s aims to improve air quality, unlock job opportunities and deliver energy, cost and time savings for businesses in the UK and internationally. The EFLES project builds on the [Smart Electric Urban Logistics](https://crossriverpartnership.org/projects/smart-electric-urban-logistics/) trial from 2017-19, which saw CRP, UPS and UK Power Networks develop new charging technology at the Camden depot, to overcome the challenge of charging an EV fleet without a costly upgrade of the local power network.

*“We are delighted to partner with UPS, Moixa and UK Power Networks Services on this truly innovative project. We are proud that London is again the location for testing new technology that supports clean growth and greener transport. This collaboration is testament to our longstanding commitment to working in partnership to deliver and share new ways of addressing the challenges we face with innovative solutions,”* said **Susannah Wilks, Director of Cross River Partnership**.

One of the key challenges to the electrification of transport is the capacity of local power networks to deliver charging. Power infrastructure is becoming increasingly constrained and network reinforcement can be costly. Smart charging can help by shifting demand to less constrained times, alleviating pressure on local networks and avoiding costly network upgrades.

**Philip Heathcote, Head of Markets at UK Power Networks Services**, said: “We are delighted to continue partnering with UPS and Cross River Partnership to deliver this innovative project with Moxia that will provide further data and insight into how we can get more electric vehicles on the road in the most efficient and cost-effective way.”

Having implemented UPS’ smart charging solution, UK Power Networks Services will continue its partnership with the global logistics company and work with Moixa to support the installation of new local energy system software into the existing framework. The company will also develop a commercial framework that will analyse the feasibility of the solution and work in collaboration with UPS to identify technical and commercial specifications unique to the company’s Camden centre. This specification will be implemented into Moixa’s software to ensure an efficient, reliable and low-cost smart charging solution in London.

**ENDS**

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**NOTES TO EDITORS**

**Moixa**

Moixa ([www.moixa.com](http://www.moixa.com)) is an industry leading energy technology company that manufacturers smart solar batteries and GridShare software to manage smart charging of batteries and electric vehicles.

Moixa aims for GridShare® to manage hundreds of GWh of batteries, leveraging its experience across homes in the UK, Ireland and Japan. GridShare uses AI to learn and optimise daily charging, leveraging low carbon resources and time-of-day tariffs. The software also enables utilities to aggregate and manage large fleets of batteries and electric vehicles in order to deliver flexibility services into ancillary markets and deliver superior customer propositions and savings.

Moixa’s scalable smart charging solution and AI software can be applied to all companies with large vehicle fleets to put managers in full control of their energy use and emissions. GridShare already hosts the world’s largest single fleet of domestic batteries across more than 15,000 homes in Japan, growing by more than 1,500 a month. The company is now using this experience to deliver intelligent, AI-driven optimisation for EV users and fleet operators.

**UPS**

UPS (NYSE: UPS) is a global leader in logistics, offering a broad range of solutions including transporting packages and freight; facilitating international trade, and deploying advanced technology to more efficiently manage the world of business.

Headquartered in Atlanta, UPS serves more than 220 countries and territories worldwide. UPS was awarded [America’s Best Customer Service](https://www.newsweek.com/americas-best-customer-service-2019/services-transportation-travel#_blank) company for Shipping and Delivery services by Newsweek magazine; Forbes [Most Valuable Brand in Transportation](https://www.forbes.com/powerful-brands/list/#_blank); and top rankings on the [JUST 100](https://www.forbes.com/just-companies/#_blank) list for social responsibility, the Dow Jones Sustainability World Index, and the Harris Poll Reputation Quotient, among other prestigious rankings and awards.

The company can be found on the web at [ups.com](http://www.ups.com/?Campaign_id=BOILERPLATE_PRESSRELEASE_END_UPSCOM_050319#_blank) or [pressroom.ups.com](https://pressroom.ups.com/pressroom/Home.page?Campaign_id=BOILERPLATE_PRESSRELEASE_END_PRESSROOM_050319#_blank) and its corporate blog can be found at [ups.com/longitudes](https://www.ups.com/us/en/services/knowledge-center/longitudes-landing.page?articlesource=longitudes&WT.mc_id=BOILERPLATE_PRESSRELEASE_END_LONGITUDESKC_071619#_blank) The company’s sustainability eNewsletter, UPS Horizons, can be found at [ups.com/sustainabilitynewsletter.](https://sustainability.ups.com/resources/sustainability-newsletter/?Campaign_id=BOILERPLATE_PRESSRELEASE_END_SUSTYNEWSLETTER_050319#_blank) To get UPS news direct, follow [@UPS\_News](https://twitter.com/UPS_News#_blank) on Twitter. To ship with UPS, visit [ups.com/ship](https://www.ups.com/ship/guided/destination?tx=2168142152068288&loc=en_US&WT.mc_id=BOILERPLATE_PRESSRELEASE_END_SHIP_071619#_blank).

**UK Power Networks Services**

UK Power Networks Services is an expert in distributed energy solutions and power distribution, delivering energy technology consulting, asset financing, major project delivery, design and build, operations and maintenance, and asset management.

We integrate new technologies, such as electric vehicle infrastructure, battery storage and microgrids. We provide end-to-end energy solutions and our experts help clients increase the productivity of their assets, decarbonise their infrastructure and realise their infrastructure as a strategic asset.

Our world-class engineers serve industries such as airports, rail, defence, water, logistics and fleet, manufacturing, ports, local and central government, and commercial buildings. Our high-profile public and private sector clients with critical infrastructure in complex environments, trust us to deliver safe, reliable and innovative energy solutions - allowing them to concentrate on their core business.

We have a proud 50 year history and our current portfolio includes the UK’s six main airports, High Speed 1, Network Rail, London Underground, Docklands Light Railway, EDF (Hinkley Point C), Ministry of Defence, Felixstowe Port, UPS and Canary Wharf.

**Cross River Partnership**

[Cross River Partnership](https://crossriverpartnership.org/) is a sub-regional, public-private partnership that is engaging people, to deliver great places, through innovative projects: Delivering London’s Future Together.

Cross River Partnership was originally formed to implement cross river infrastructure projects such as the Millennium Bridge and has since diversified to deliver a wide range of environmental, economic and community regeneration projects transecting themes such as Place Making; Health and Wellbeing; Air Quality; Diversity and Inclusion; Freight, Transport and Active Travel; Energy; Environment; Culture; and Lighting.