

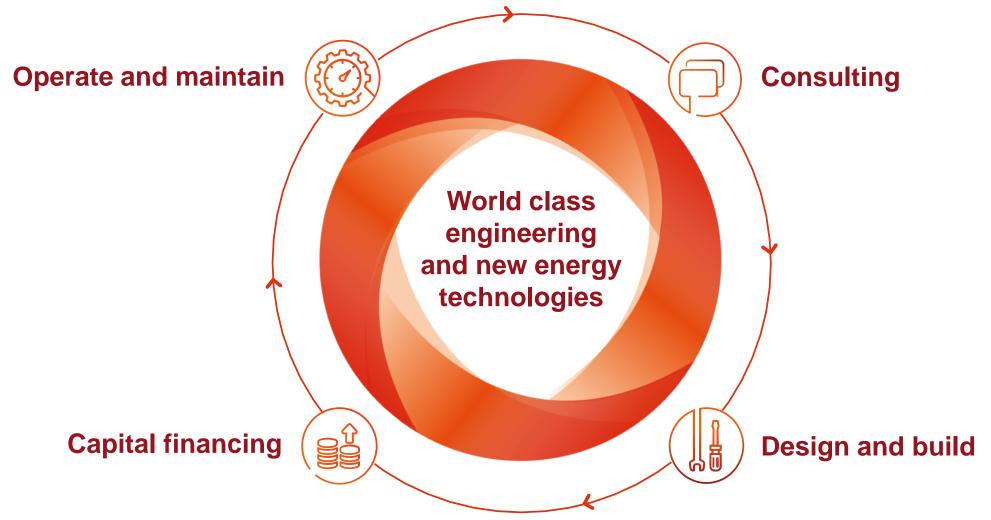
**Network and connection solutions** 

UK Power Networks Services
March 2019



### Who are UK Power Networks Services?

We are your strategic energy partner and experts in distributed energy solutions and power distribution



### **Our clients**

#### Our clients operate critical infrastructure in complex environments

#### We have delivered for more than 50 years across:







Rail



Utilities



Defence



Logistics and fleet



Manufacturing and industrial



**Ports** 



Public Sector



Commercial and property development



Nuclear

























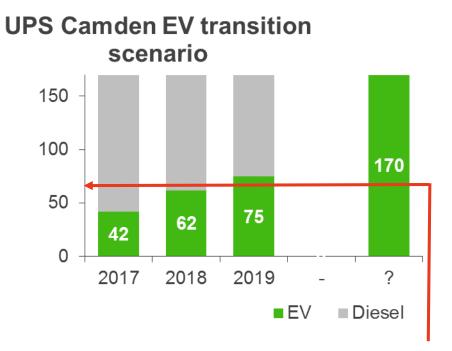






### The smart-charging challenge

Ensure sufficient electrical capacity for UPS' growing EV fleet at Camden whilst avoiding expensive grid reinforcements



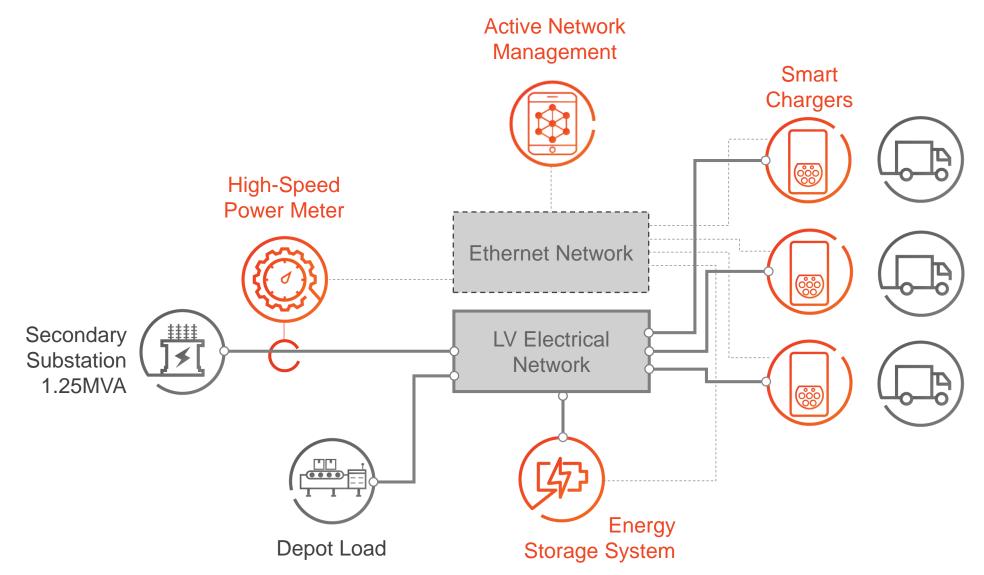
Maximum capacity uncontrolled charging

#### **Solution requirements**

- Minimise costs avoid DNO reinforcements
- Minimise business disruption
- Future-proof and scalable
- Support UPS' sustainability ambitions
- Improve air quality in London

### The solution: a smart charging system

### No increase in the grid connection capacity was required

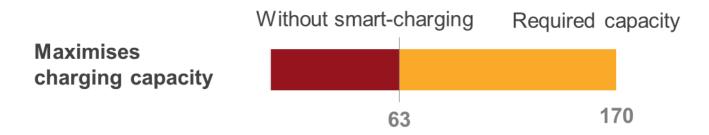


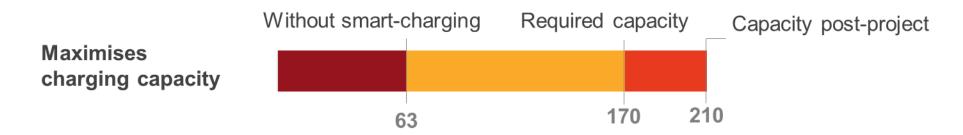
### **Smart-charging can be used to reduce both CAPEX and OPEX**

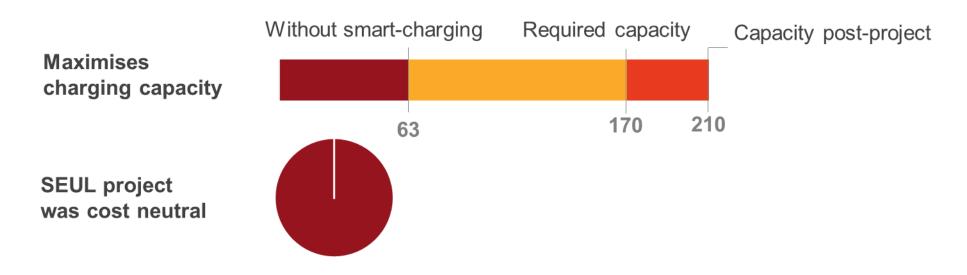
Maximises charging capacity

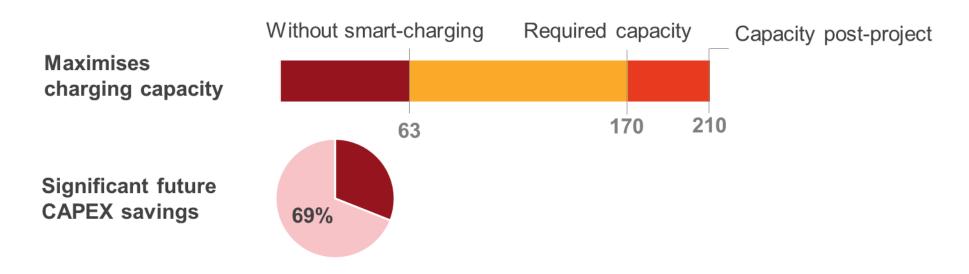
Without smart-charging

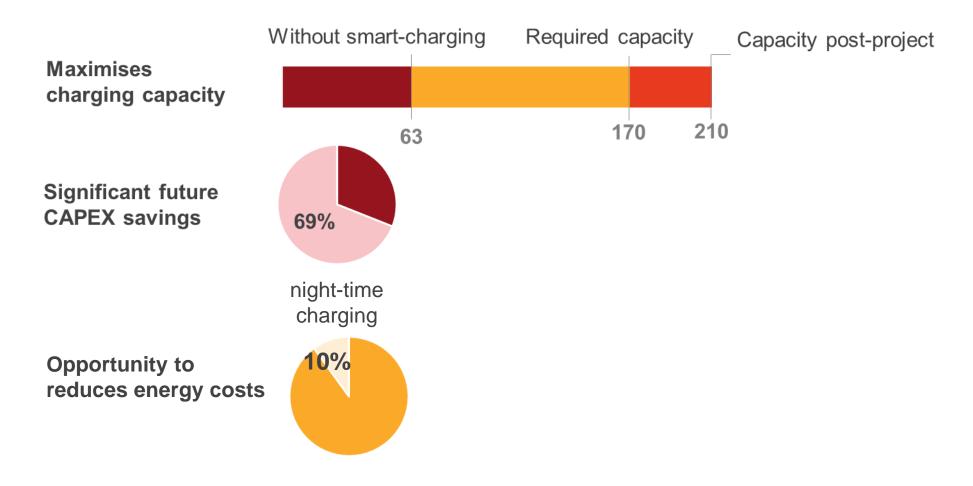
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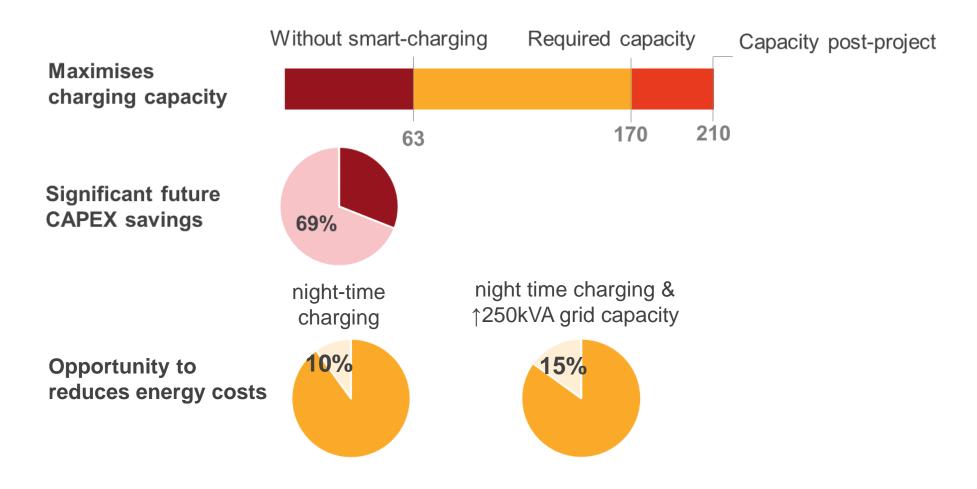


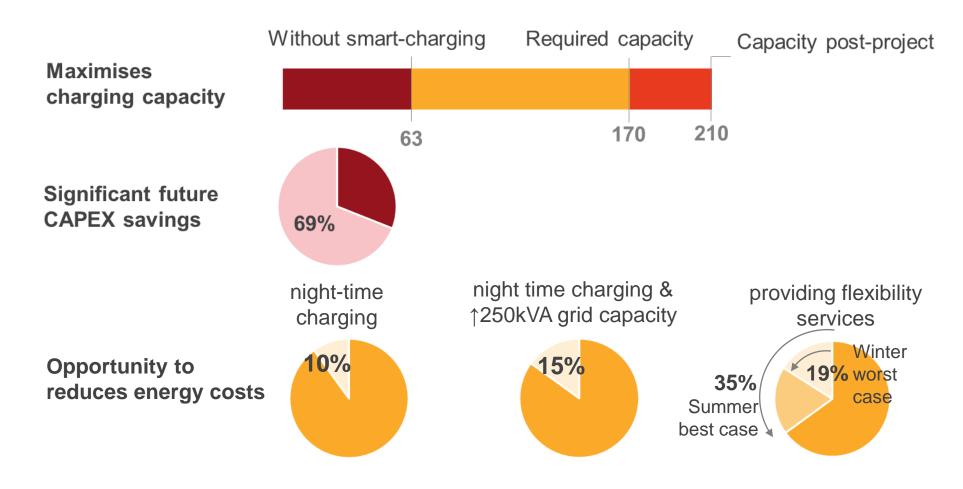






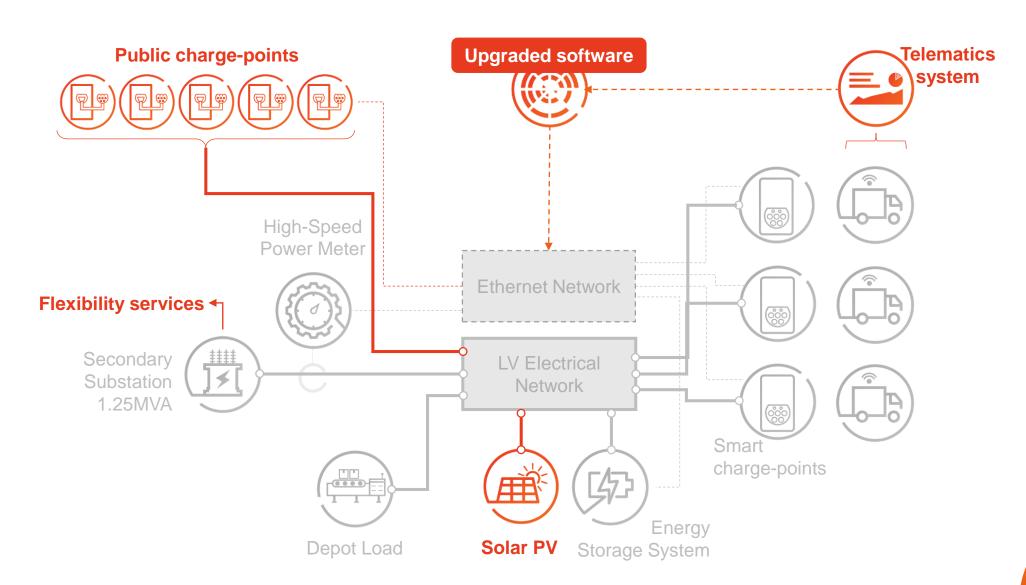






### **EV Fleet Centred Local Energy Systems**

#### Maximise the value of connection and on site electrical infrastructure





# Questions

