



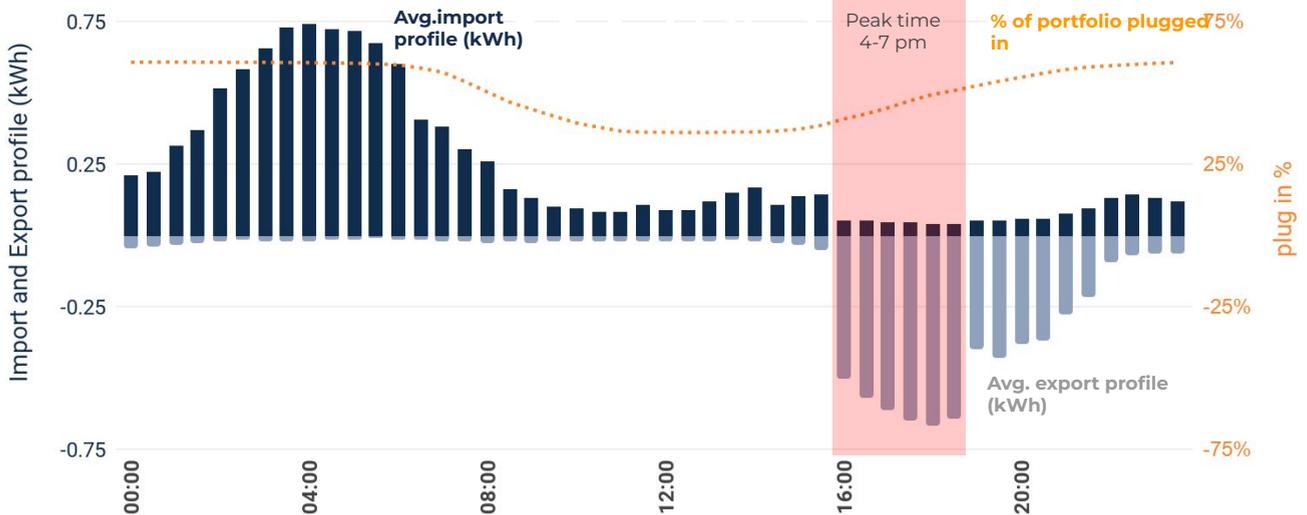
HEADLINES

- Kaluza is a pioneer of the **world's first and largest rollout** of vehicle-to-grid technology (V2G) with partners including UK energy leader, OVO Energy and Nissan
- Powered by Kaluza's software, V2G-connected electric cars charged at times that were cheapest and greenest and **surplus energy was sold back to the grid**
- On average, drivers earned **£420 a year**, with some earning over **£800**, equivalent to driving for free

V2G-ENABLED EV USAGE



Average daily V2G plug-in, import and export profile



Customer

Avg. customer importing

11.36
kWh/day

Avg. customer exporting

6.77
kWh/day

Avg. customer plugs-in

18X
per month

Avg. customer receiving via OVO prop

£35
per month

Avg. plug in and plug out times

17:30 plug-in
08:00 plug-out

EV SOC

Avg. EV SOC at plug-in

43%

Avg. EV SOC set for ready-by time

90%

Portfolio availability

Avg. % of portfolio available at peak (4-7pm)

46%

Max availability in a day

61%

Min availability in a day

36%



SUPPORTING THE GRID



Avg. V2G can offer up to

10 kWh
of demand shifting
capability per day

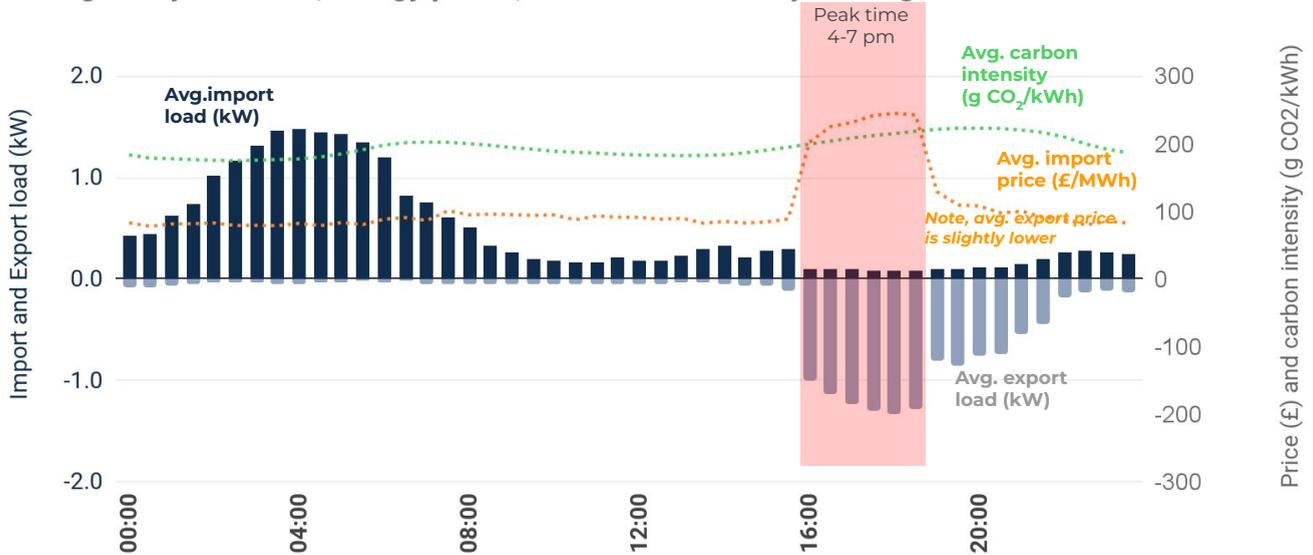
On avg. V2G offers

1.8 kW
export power to support
the local grid at peak
times

Avg. home with a V2G has

net 0.3 kW
export at peak times while a
home with an unmanaged
EV has net 1.3 kW load

Average daily V2G load, energy prices, and carbon intensity of the grid



CARBON

- **0.19 kg CO₂/kWh** energy imported
- **0.21 kg CO₂/kWh** energy exported

→ Each V2G, saved **6.5 kg CO₂/month** - equal to emissions created from a **35 km journey with a petrol car**

About Kaluza

Kaluza is a leading software platform powering the future of energy. From revolutionising billing to smart electric vehicle charging, Kaluza's SaaS technology is empowering some of the biggest energy suppliers to better serve millions of customers. Its live data platform transforms supplier operations, reducing cost to serve and boosting customer engagement. Powered by Kaluza, suppliers can invest in innovating for tomorrow's customers and drive decarbonisation with smart, low carbon technologies that not only reduce energy bills, but lay the foundations for a more flexible energy system.

www.kaluza.com

