

**Samuel Goda
Kaluzza**



KALUZA




**Born out of OVO
Energy in 2019**



**460+ staff across
5 offices
internationally**



**Millions of meters
licensed**



**>26,000 smart
devices connected**



**Products live in
5 countries**



**Working with
leading companies**



Proven success

Samuel Goda

Regulatory &
Government
Affairs

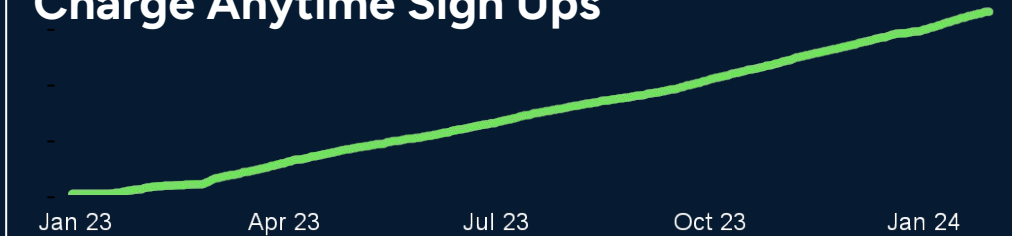


Charge Anytime Data Dashboard.

Kaluza's scaled managed charging partnership with OVO in the UK

Charge Anytime Sign Ups

16,431



How this looks to the customer

*E.g. \$0.08 * 100kWh = \$8 / month cost to charge*

16,431

Connected Customers

21 MW

Peak Demand Avoided

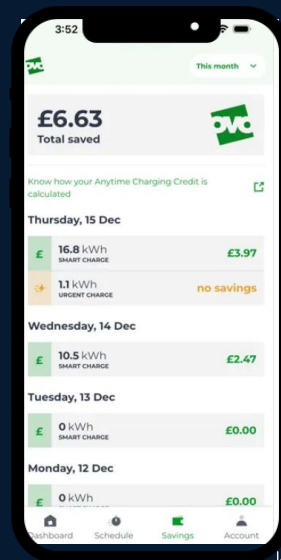
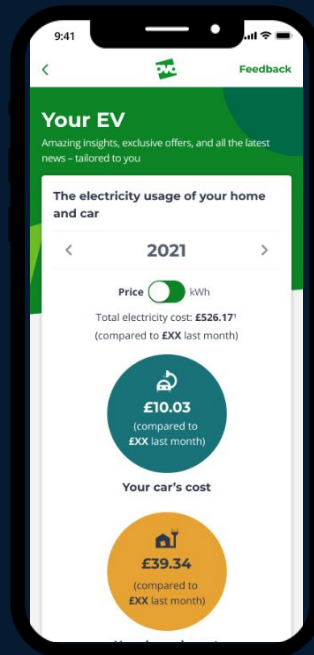
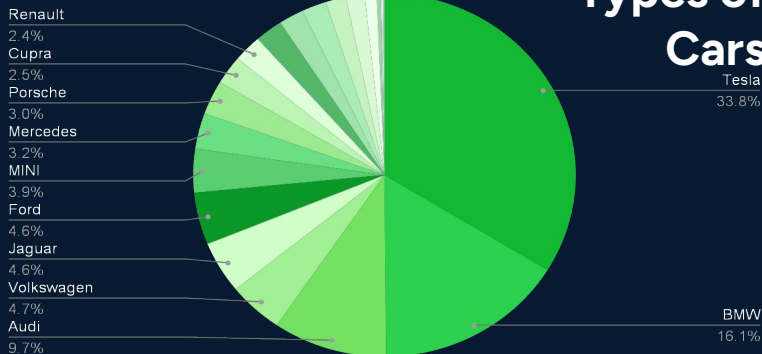
\$620

Customer Savings per year

147t

Total tco2 Saved

Types of Cars



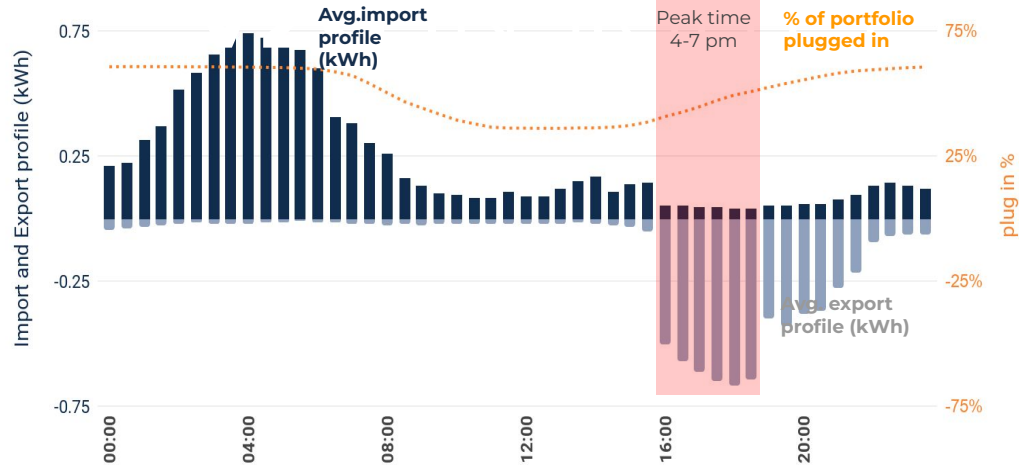
Track savings

V2G Enabled EV Usage



Carbon

Average daily V2G plug-in, import and export profile



- 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 22 mile journey with a ICE car

> 3M
‘free’ miles driven

\$447
average customer savings per year

93%
customer satisfaction rate

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

\$45
per month

Avg. plug in and plug out times

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

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

Project Overview

REDWDS (“redwoods”) GFO-22-609 - Responsive, Easy Charging Products with Dynamic Signals (REDWDS)

**\$2.2M
Total
Project**

**300 V1G
30 V2G**

**50% low
income
support**

**To test
dynamic
tariffs**

Project Details

- Kaluza selected as awardee of a 3 year \$1.55M CEC grant award (\$700k cost-share) from the California Energy Commission (CEC) to pilot V1G and V2X using dynamic tariffs from 2024-2026.
- Phase 2 potential for additional \$4M USD
- Partnering with utilities, community orgs and charging station manufacturer
- CEC webpage [here](#)



Project Partners



Thank you

Samuel Goda, US Regulatory &
Government Affairs

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