

Smart Tariffs and EVs

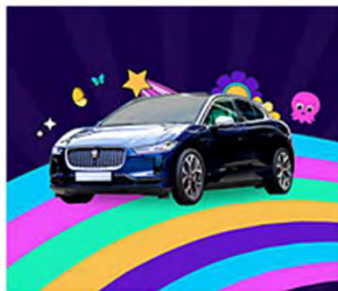
Claire Miller - Octopus Electric Vehicles

octopus
electric vehicles

Claire Miller - Director of Technology & Innovation



Octopus Electric Vehicles



Business Contract Hire

The simplest and quickest way to take advantage of low company car tax rates and switch to the fun world of electric. Perfect for those with a company car.

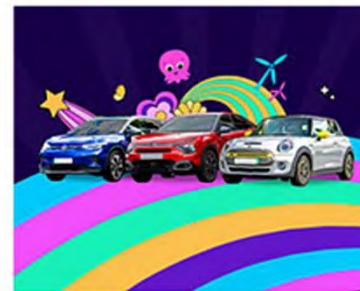
[Get a quote](#)



Salary Sacrifice

Like Cycle-to-Work but for electric cars, employees can save up to 40% through their gross salary. Let us set up this easy to use scheme today.

[Learn more](#)



Fleet

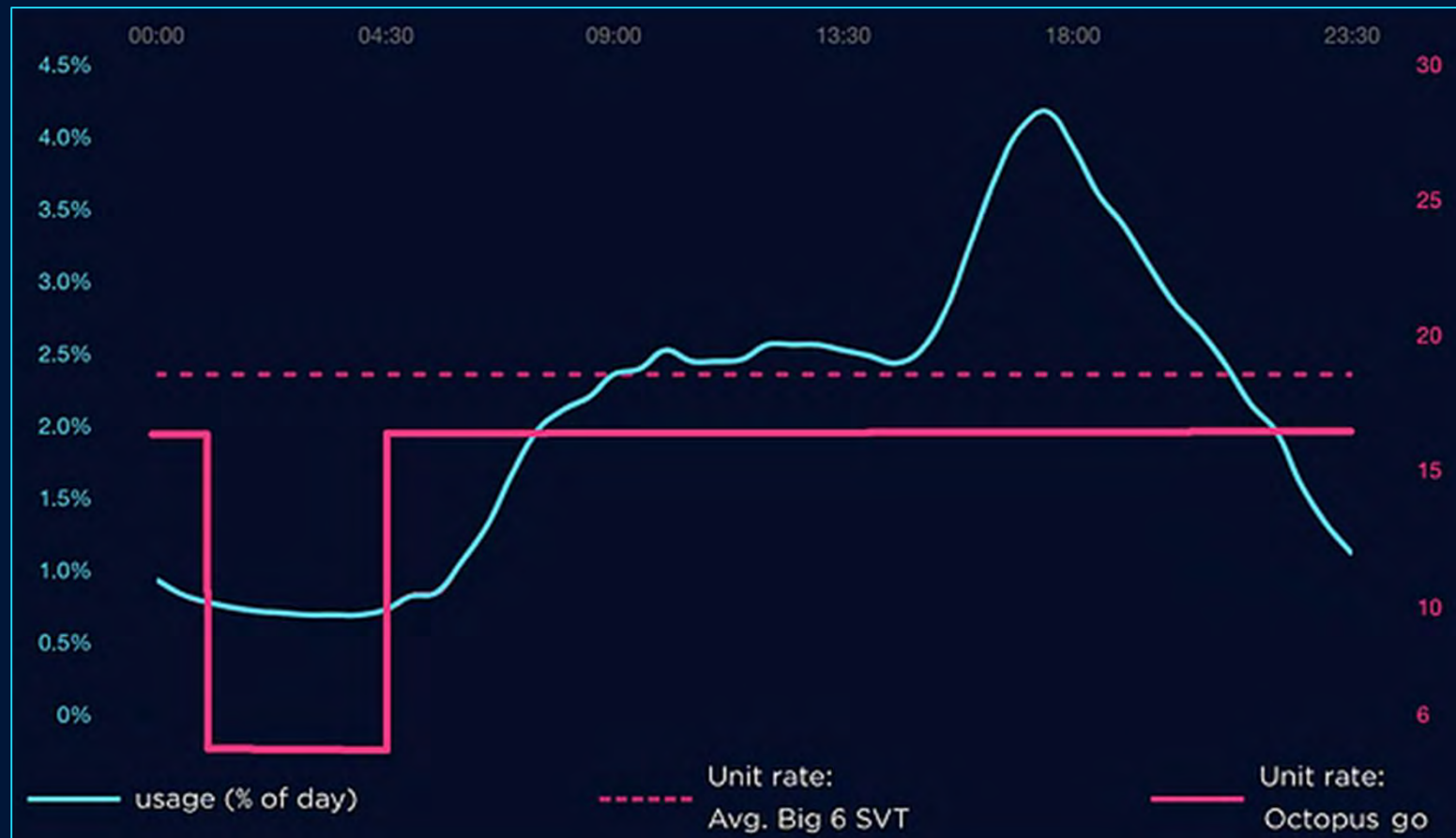
For larger company vehicle fleets and vans we can help you transition your teams to electric, while taking advantage of tax incentives.

[Book a consultation](#)

What is a smart tariff?

- An energy tariff that works with a **smart meter**
- The **price depends on when** energy is used
- Wholesale cost of energy is higher in the late afternoon (4.00 - 7.00pm) because the demand for energy peaks - and fossil fuels are used to fill the gap
- Wholesale cost of energy is less expensive overnight when renewable energy is abundant but demand is low
- Energy retailers can incentivise customers to **shift energy use to overnight** by passing on these savings via smart tariffs

Octopus Go - the original smart tariff for EV drivers



Why do EV drivers love smart tariffs?

- Drivers can **charge at the cheapest rate overnight** while they sleep - what's not to love?
- EVs, chargers, and smart services bring a range of ways to **schedule charging automatically** at the cheapest times
- Giving control over exactly when and how the charge happens - to an energy supplier or smart service provider - will unlock **even cheaper prices through flexibility and grid services** in future
- And vehicle-to-grid systems are being trialled right now that also put energy back on the grid when there is high energy demand in the evening

Powerloop - domestic V2G

We are finding the **hardware**, building the **software** and working with market partners to demonstrate the feasibility and value of domestic V2G

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Powerloop - smart tariffs in action

What you get



A new Nissan LEAF



A free charger



A dedicated app to control charging



100% renewable electricity at home



£30 cashback every month*



A smart meter installed for free



UK Power Networks working area

How it works

①

Plug in before 6pm, and keep it plugged in until at least 5am the next day to complete the cycle

②

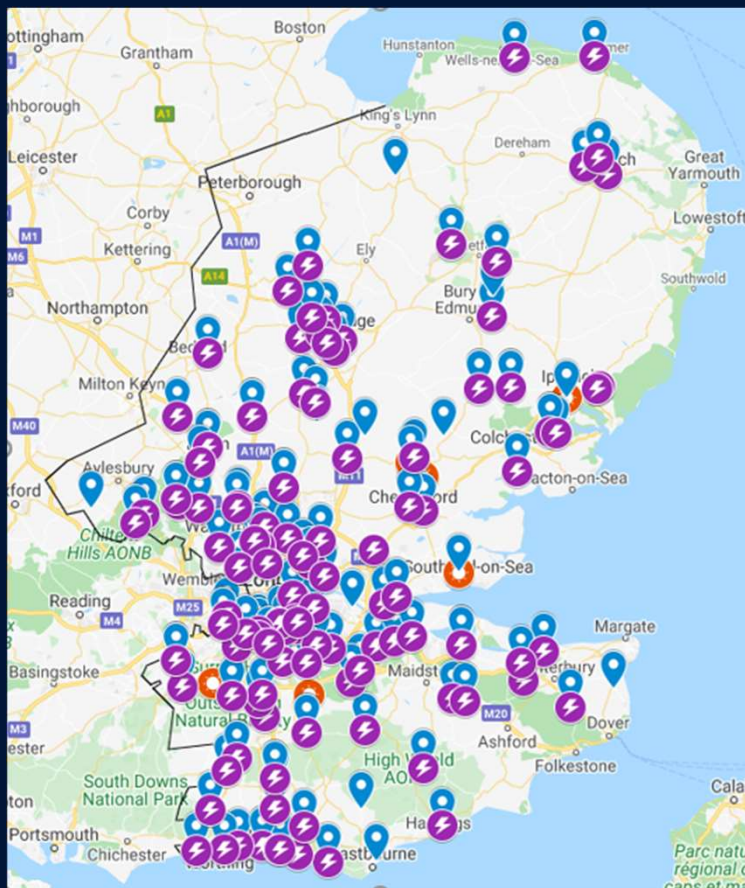
Use the app to tell us when you need your car and we'll schedule your sessions around you

③

Complete 12 cycles to get £30 cashback on your Octopus Energy account every month



Powerloop - smart tariffs in action



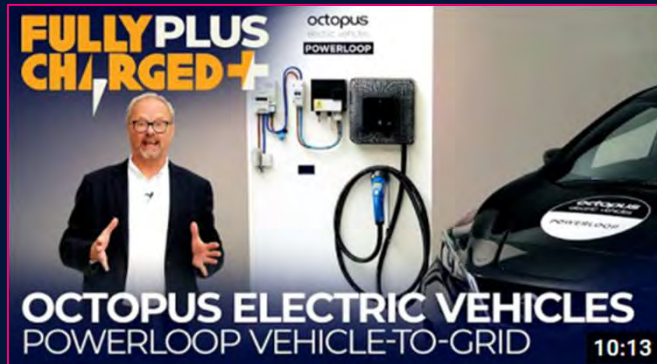
Who is on the trial?

- 135 customers across a range of demographics, from young families to retirees
- All with full G99 approval to export to the grid
- Nissan LEAF, Wallbox chargers, and EV Technology telematics installed

What smart tariffs are we testing?

- Created for Powerloop to test tariff-based incentives to plug in and make battery available
- Import: 5p / kWh between 11.30pm and 5.30am, 15p / kWh all other times
- Export: 15p / kWh between 4.00pm and 7pm, 5p / kWh all other times

Want to learn more about Powerloop? www.octopus.energy/powerloop



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Enabling the transition
to electric vehicles:

The regulator's priorities
for a green, fair future

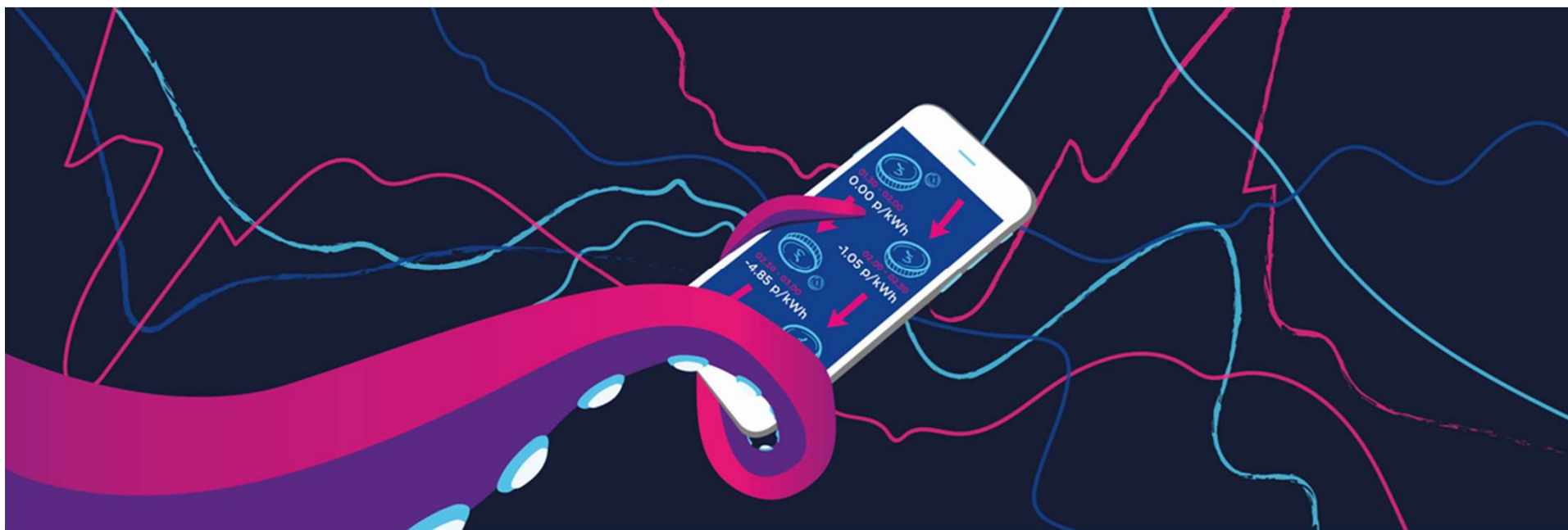

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for energy consumers

Transitioning to a net zero energy system

Smart Systems and Flexibility Plan 2021





Thank you

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