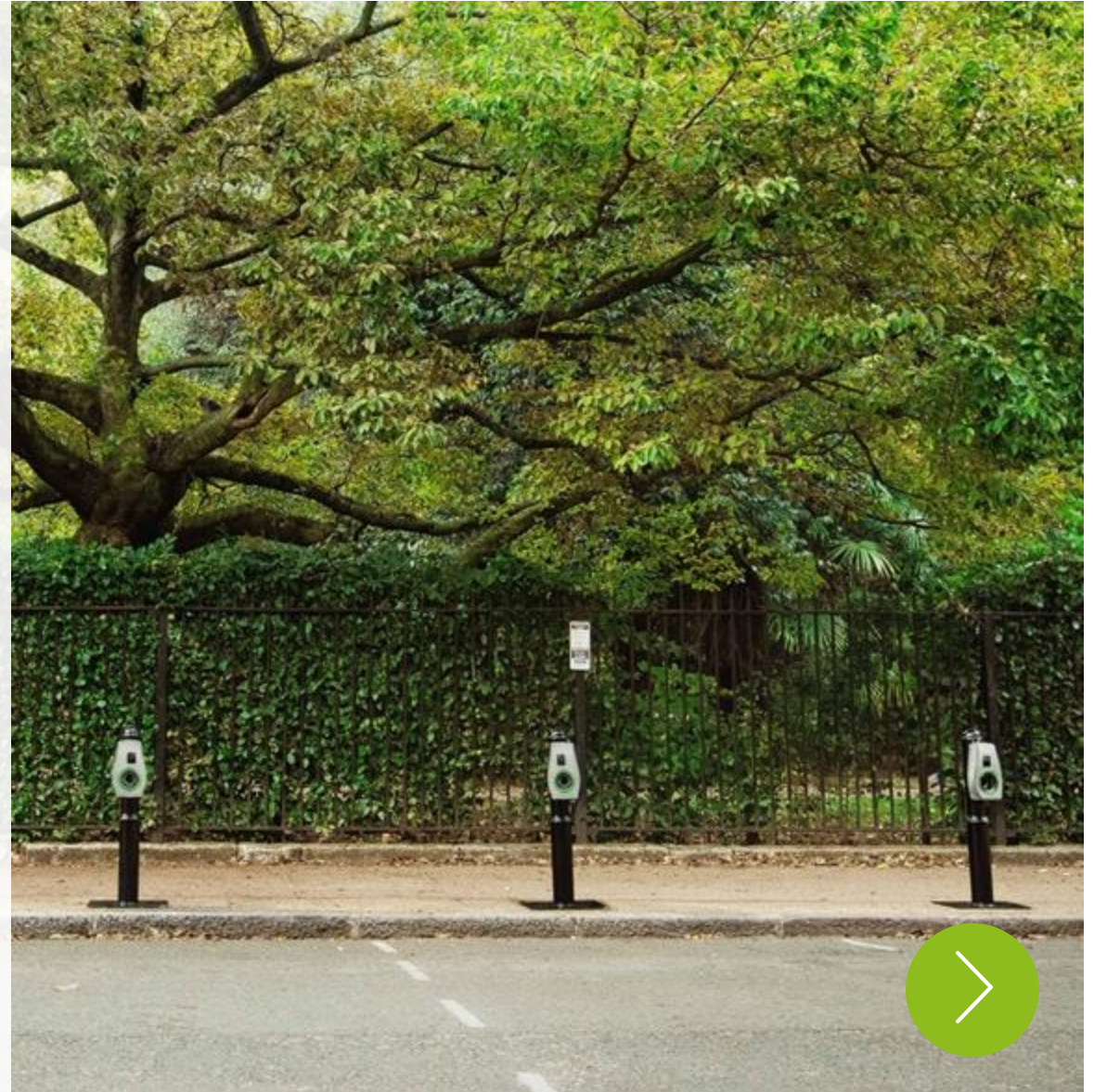




THE FUTURE OF YOUR STREET

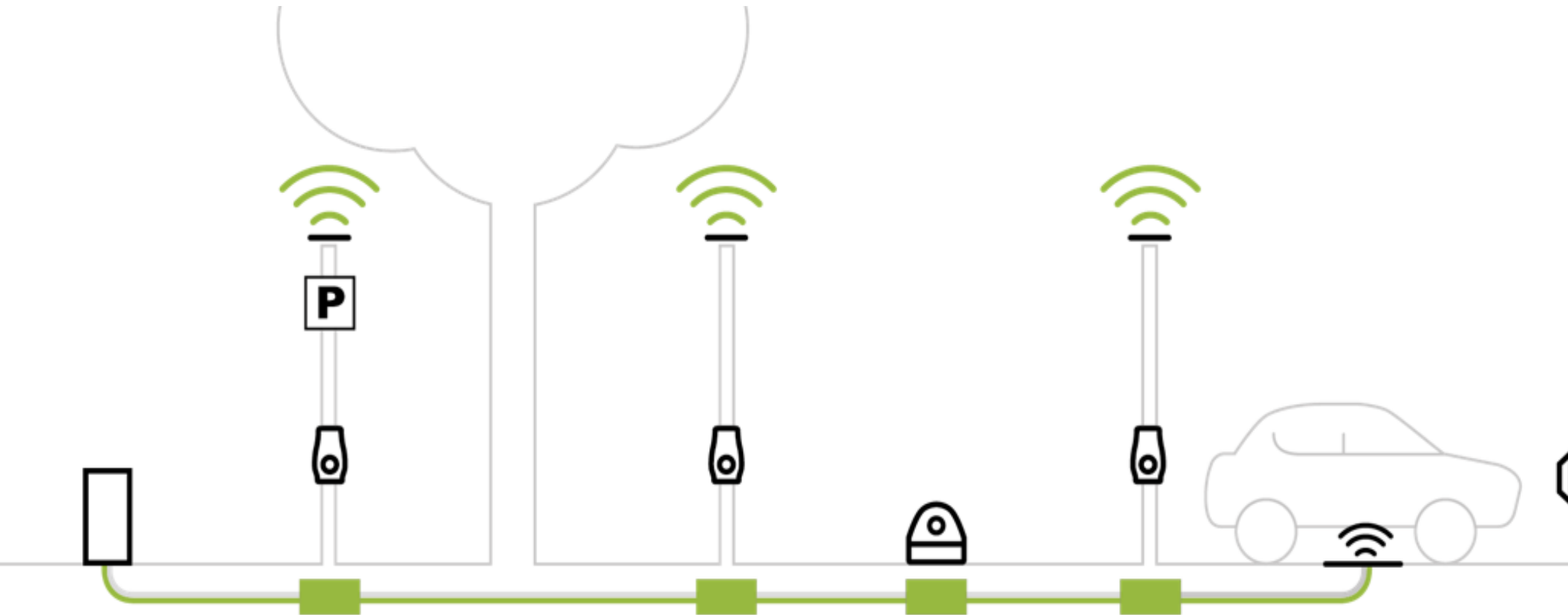
Connecting electric vehicles
with power and data

Ben Boutcher-West, CDO



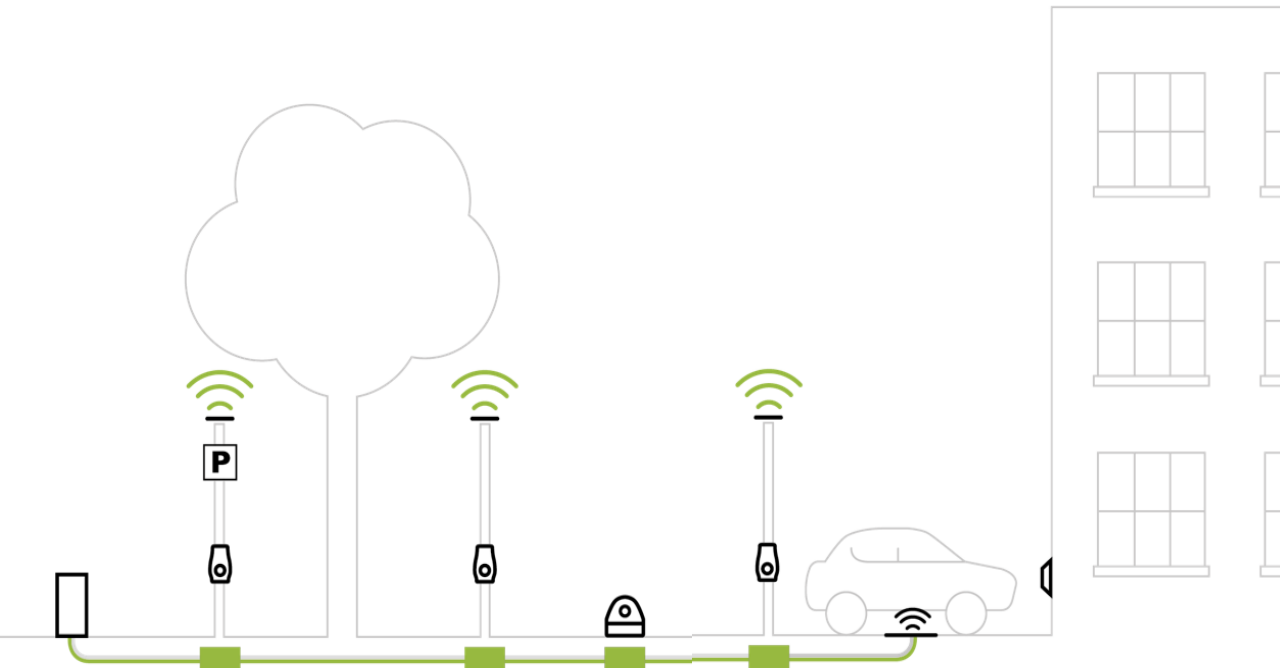
OUR SOLUTION: **AWARD WINNING EV INFRA.**

The CK system separates the power and data pack (charging unit), which is installed within an underground node box, separate from the above ground plug in socket.



OUR SOLUTION: STANDARDS

We applaud the continued roll out of standards and measures to ensure safe, security, quality infrastructure preparing for FS and ensuring democratised access for all.



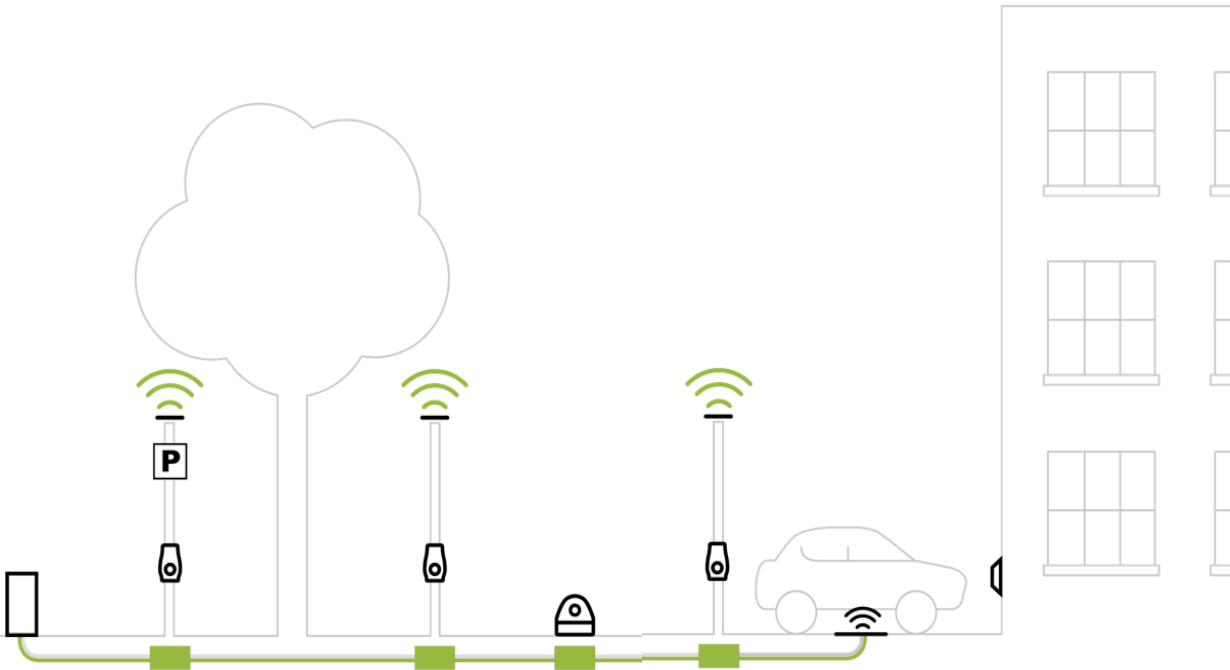
Scalable Infrastructure needs

- Cyber Essentials, ISO27001, IoT Code of Practice
 - All CPO's considered CNI
- ETSI EN303645 (DINSPEC27072)
 - authentication, encryption, updates
- ISO15118
- PAS 1878/1879
 - Accessibility, Security Logs, FS
- Office for Product Safety & Standards
 - Smart EVCP Guidelines, FS
 - June, then Dec 2022

SAFETY FIRST: PROTECT DATA

Doing the right thing is key for success: cadence of Penetration testing, ICT implementation, training and collaboration.

Don't forget about the physical.



WARNING OF FRAUDULENT ACTIVITIES

We have been made aware that QR codes displayed on some of our chargers may be manipulated by fraudsters and lead customers to payment websites, which are NOT related to IONITY.

When scanning the QR code for direct payment, please make sure that you are redirected to the official IONITY payment website: <https://payment.ionity.eu/>



IONITY @IONITY_EU · 18 h

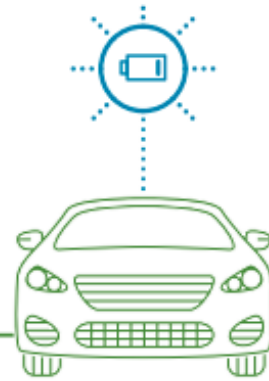
If you see anything suspicious at any of our sites, please call our hotline or send an email: support@ionity.eu

12

44

73





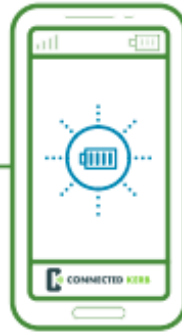
Download the Connected Kerb app

Use the Connected Kerb app to find and reserve a chargepoint.



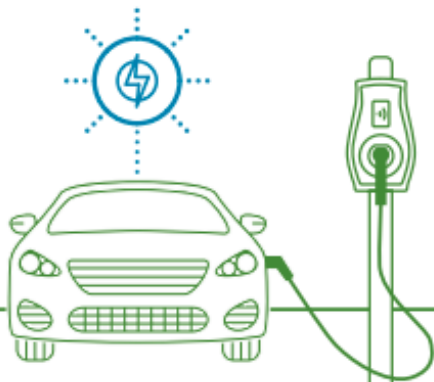
Plug in and set your time

Let the app know what time you need your car to be charged by.



Choose either 'ECO' or 'Boost' charging mode

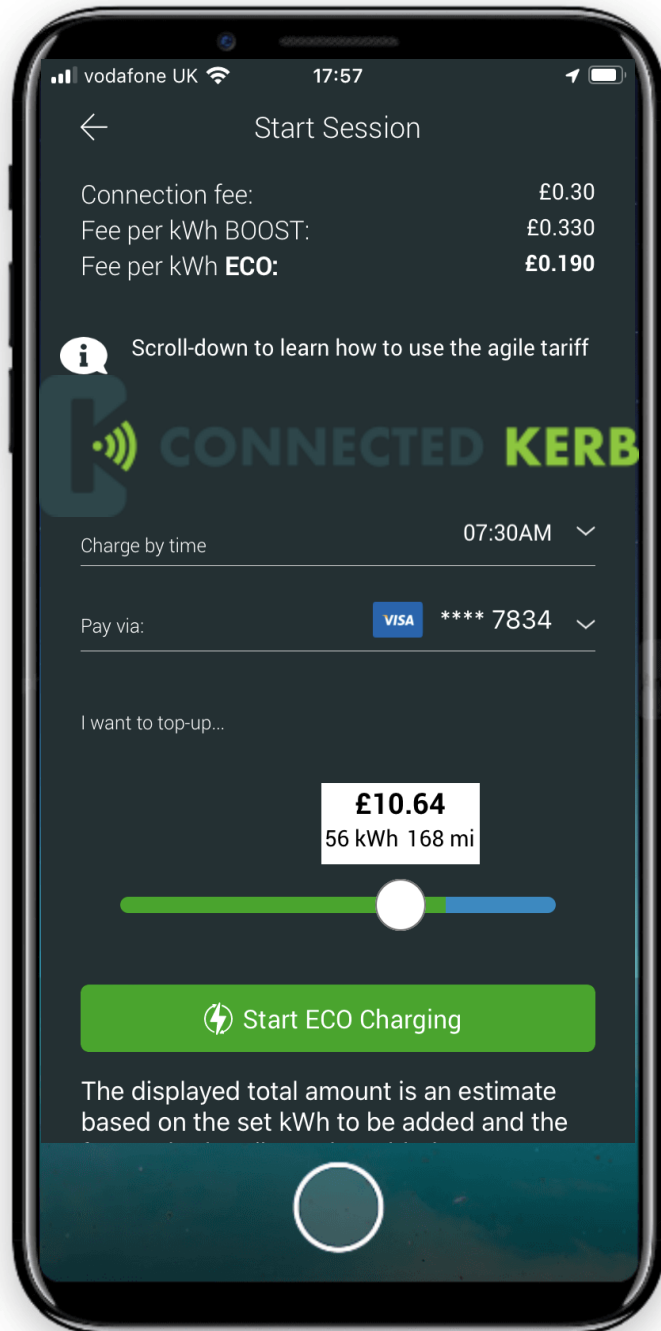
Choose how many kWhs or miles you want to charge your car at either the 'ECO' or 'Boost' rate.



Enjoy the benefits of smart charging!

If you choose 'ECO' charge, Samsung's algorithm will activate the charger at times when electricity is cheaper. Your car will be charged by the time you need it, and you could save up to 40% by allowing an optimised charge.

- Integrates smart metering technology with smart residential on-street charging
- Optimised tariffs offering cheaper charging during periods of low demand
- Levelling up – offering access to tariffs usually reserved for those with off-street charging
- Reducing strain on the grid during peak periods by shifting demand



What is Agile Streets?



BEIS funded project

Comprised of two delivery phases

Phase I:
R&D of solution

Phase II:
Install, trial, evaluate



Solution integrates

Residential on-street EV charge points

with

Smart metering technology



Key benefits

Provides **security benefit** to charging assets – vital as we near 2030

Optimised tariff for on-street charging - opportunity to take advantage of tariffs normally reserved for those with home charging



100
charge points

Average
9,000kWh/month



THANK YOU!

Ben Boutcher-West

