

# EMPOWERING TOMORROW'S JOURNEY FOR ALL

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Our mission is to accelerate the transition to sustainable mobility for all with reliable, affordable and accessible EV charging solutions.



<b>Summary</b>	<b>Introduction</b>	<b>2</b>
	<b>Our community</b>	<b>2</b>
	<b>A new approach to EV charging</b>	<b>3</b>
	<b>Help your fleet to make the switch</b>	<b>4</b>
	<b>What do you get from the Connected Kerb solution?</b>	<b>5</b>
	<b>Meet the Connected Kerb Offer</b>	<b>7</b>
	<b>Our awards</b>	<b>8</b>

## Introduction

For the UK to achieve its Net Zero objectives by 2050, it is imperative that electric vehicle (EV) ownership becomes mainstream. For this to become a reality, EV charging infrastructure must be convenient and accessible to everyone in society regardless of social status, physical ability or geography. This includes drivers of fleet vehicles who often need to charge their vehicle at home.

At Connected Kerb we can use a data-driven approach to meet the needs of your fleet.

We specialise in providing long-lasting and reliable electric vehicle infrastructure that will suit all the electrification needs of your car or small van fleet including site surveys, installation, software and ongoing management of your charging points.

We also offer a full consultation service for electrified fleets that involves engagement with all relevant stakeholders..

Our solutions, which support future technologies such as 5G and IoT, will future proof your fleet adding sustainability, affordability and accessibility to your electrification strategy.

## Our community



## A new approach to EV charging

In developing and deploying our award-winning charging system, we continuously analyse existing charging infrastructure, driver needs and the future direction of the auto industry.

The learnings we have gained from this process are core to the system we have developed to date and will continue to drive the innovation of our solution.

These are the core principles we follow to deploy with our market-leading approach:

### 1. Network Convenience & Confidence

For large-scale adoption, EV charging must offer a comparable or better experience than that of fuelling a traditional internal combustion engine (ICE) vehicle. That means charging infrastructure must be deployed at a greater scale and with far higher reliability, giving drivers confidence that charging points will be available when and where they need them.

### 2. Paired Deployment of Smart Technologies

Deploying EV charging points is costly and disruptive and today only delivers value to the 2-3% of drivers who own an EV. To minimise disruption and maximise the benefits across society we should seek to pair the deployment of complementary technologies such as IoT sensors and 5G, alongside planned EV charging point deployments.

### 3. Sustainable Deployment of Infrastructure

Today's average charging infrastructure is short-life (<10 years), costly to maintain and upgrade and entirely made of non-recycled / unsustainable materials. Increasing awareness of our impact on the environment means that maximising the long-term sustainability of the infrastructure we deploy is a must.

### 4. Future Proofing

Much of the EV charging infrastructure deployed to date risks becoming quickly obsolete. This is due to provider solutions not supporting technological advancements, such as wireless/inductive charging. Rather than betting on the future, infrastructure solutions deployed today should be flexible and adaptive to future technological advancements.

### 5. Commercial Viability

When working with our clients, depending on the preferred model, we take one of two approaches: a) We take a risk on the performance of the charge points with no fixed payment from our client for operation and maintenance (O&M), but with a more significant share of profit; or b) We are paid a fixed annual fee for O&M and all the profits are returned to the client.

For large-scale deployment exceeding the capital available or where the risk is too high, we're also able to bring in external funding. This is suited towards large-scale infrastructure-type deployments where the payback period will be longer but stable.

In all scenarios, our team of experts can recommend the best option based on your specific needs and objectives

**The Connected Kerb solution has been designed with these factors in mind and has been recognised in the UK and around the world for its market-leading capabilities.**

# Help your fleet to make the switch



## Hit your Net Zero goals

- EVs help you and your fleet reduce your company's greenhouse gas emissions, while improving air quality for the local community.
- Our EV charging stations are long-life and manufactured using recycled materials wherever possible.
- Installing EV charging stations will help you create a modern workspace with cleaner air and reduced noise.



## Our approach

- **Operational Uptime:** Depot chargers are mission-critical infrastructure. If a charger goes offline or is damaged, we can swap the unit quickly and efficiently and keep the fleet charged and ready for their operational duties.
- **Longevity:** Making sure infrastructure supports your requirements today but also in the future is key. Our chargers are designed to last and are made from recycled materials where possible



## Meet your fleet's operational requirements

- Our approach, combining data and stakeholder engagement, allows us to understand your fleet's operational requirements.
- Using telematics data and conducting a full supply-demand assessment we can calculate how many vehicles you could accommodate.
- We will provide you with a full fleet proposal based on your electrification strategy.
- **Scalability:** Our unique architecture means we can deploy passive infrastructure and scale the site as demand increases only deploying active chargers when required.
- **Future-Proof:** As technology changes, inductive charging may become the norm, again due to our unique architecture we can support this as technology advances.
- **Data-Driven Deployment:** We can assess sites' supply and operational requirements for the fleet and propose phased deployments backed by data to support the transition to EV.





## What do you get from the Connected Kerb Solution?



### Flexible, scalable & future-proof infrastructure

- Enabling charging infrastructure in the form of protective underground steel chambers is installed on day one. This is activated as demand rises, removing the need for additional construction and consequently minimising disruption to residents.
- Flexible and adaptive to both rising demand and new technologies.
- Our system also supports Internet of Things technologies, such as air quality or traffic sensors that can be added with ease when required.



### Maximise limited grid supply

- Advanced load management capabilities minimise the need for future upgrades and the costs associated with this.
- Dynamic load management capabilities ensure electricity is distributed in the most efficient way, from both an environmental and economic perspective, across the EV charging points.
- Smart charging algorithms and load management systems ensure all charging solutions offer the optimum amount of charge to each vehicle. This accounts for everything from high priority requests and sudden changes in tariffs to changes in capacity and the availability of green energy,



### Hassle-free solution

- From identifying your fleet's needs to creating and delivering a bespoke solution that will meet your objectives, we take care of everything for you.
- We know that your time is invaluable and bring our in-house expertise in everything from design reviews and site surveys to installing and maintaining the EV charging points and engaging with your employees to get their buy-in, so that you can focus on your business.
- Advanced software also ensures charging solutions are automatically monitored 24/7, allowing issues to be resolved immediately and remotely, enabling drivers to charge their vehicles without hassle.



### Easy reporting and billing systems

- Our automated, on-demand reporting allows you to have a full view on charging sessions and the data that matters to your organisation.
- With our consolidated billing system, you can easily manage access and usage.



### Connected Kerb funding options

- Connected Kerb can offer funding, leasing, financing and profit/revenue share options to make the switch as convenient as possible.
- Our experienced team will leverage their expertise to give reliable ROI and revenue generation analysis - together we will find the right funding option for you.

## Meet the Connected Kerb Offer

### Gecko



- **On-street residential environments**
- Discreet – fits to post or bollard
- Multiple colour options
- Hardwearing and secure with double-skin

- ✓ **Manufactured in the UK.**
- ✓ **Discreet**, low visual impact charging units.
- ✓ **3.5kW - 22kW smart charging, load management.**
- ✓ **Innovated** for intensive use, robust, durable.
- ✓ **Prolonged uptime**, 45-minute repair/replacement.
- ✓ **Easy-to-use** User Interface, Mobile App & RFID payment.
- ✓ **All support IoT Technologies**, ultra-fast Wi-Fi, 5G, air quality, traffic & parking sensors

### Limpet



- **Multi-storey car parks & perimeter walls**
- Wall-mounted, no excavation required
- Partially constructed from recycled tyres
- Positioned in groups of up to 10

### Power & Data Pack



- **Subterranean charge point controller**
- Connects to fast fibre
- Supports wireless / inductive charging
- Deployed in all scenarios

### Market leading software



#### Open Charge Point Protocol (OCPP 1.6 / 2.0) compliant intelligent software & features:

- Mobile app for both Apple & Android
- Advanced energy management functionality
- Smart tariff, charging & booking functionality
- Contactless payment options with RFID, mobile web payments
- 24/7 customer service with remote problem solving





## Our awards

2020 WINNER



**Best On-Street Charging &  
Best New Product or Service**

2020 WINNER



**Most Innovative Start-Up  
of the Year**

2019 WINNER



**Environmental Initiative**

FINALIST



**Best On-Street Charging &  
Best New Product or Service**

2020 WINNER – ONGOING



**Net Zero Homes Programme**

2018 WINNER



**Civic Innovation Award**



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