



On-Street EV Charging

January 2023

- The vast majority of EV charging will take place in domestic and workplace settings
- In towns and cities across the UK a significant proportion of residents will not have access to low-cost, affordable home charging – that will include private hire drivers
- Residential on-street charging is an essential piece of the overall council EV charging strategy jigsaw – especially for professional drivers without off-street parking
- The “best” on-street solution will be the most convenient, highest value for money, least disruptive and most environmentally friendly solution
- ChargeLight offers a fully financed lamppost charging solution

- Ensure best value for money (upfront and ongoing costs)
- Deliver customer choice through avoiding single provider monopoly
- Scalability and Interoperability
- End of concession: redundancy and ownership
- Minimise disruption
- Avoid parking controversy
- Embodied carbon



UK Lampposts ready to go

>300,000 lampposts on UK residential streets ready to become EV chargers



Most convenient location

EV drivers prefer to charge outside their home



30 mins to install

Simple swap of the column door, no planning, no groundworks, no DNO



Best value for money

More charge points for residents for every £ invested



1/6 of the carbon footprint

The lowest embodied carbon solution by far



Smart-grid enabled

Unlike rapids or charging hubs, lampposts enable city-wide smart charging

- By end of 2022, more than 7,000 lamppost chargers were already installed in the UK
- Lamppost chargers already notably in London, Brighton, Coventry, Portsmouth, Hampshire, Wirral, Reading and many more!
- In most London boroughs, lampposts make up >80% of public charging



A large, stylized cyan graphic element on the left side of the slide, consisting of several overlapping, rounded, and pointed shapes that create a sense of depth and movement. The shapes are layered, with some appearing to be in front of others, creating a 3D effect. The colors are various shades of cyan and light blue.

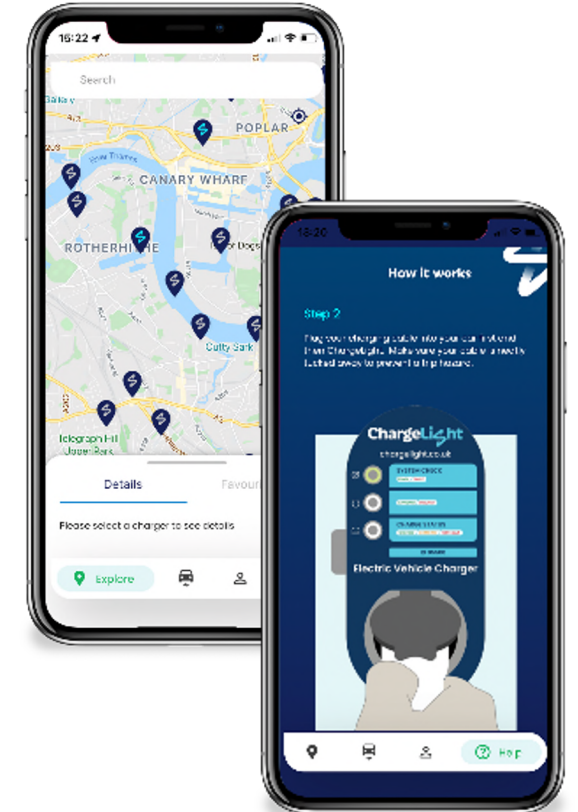
ChargeLight Offering

- **Hardware:**

- Made in the UK by City EV
- >1,000 units installed across the UK
- No drilling into the lamppost
- No ancillary equipment inside lamppost
- <30 minutes installation time
- Satellite bollard option

- **Software:**

- Easy to use customer App
- Simple payment system
- Account functionality
- Charging history
- Smart tariff capable





Dedicated team with:

- Decades of EV and EV charging industry experience
- Experience from day 1 in the lamppost charging space - Ubitricity and Joju
- Multiple customer facing businesses
- Established track record in finance sector

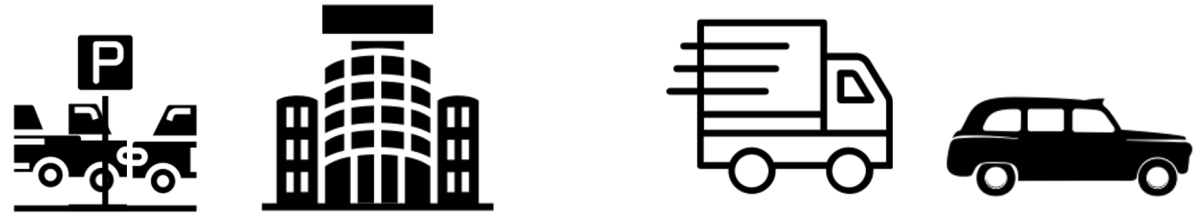
- Southend's lighting contractor
- Have been introduced to CityEV technology and installation process
- Engineers and installation technicians have no concerns about installing ChargeLight chargers into Southend columns.

- Proven and mature lamppost charger technology
- Over 1,000 installed in UK alone
- Indoor unit with no in-column equipment
- Only lamppost charger with contactless option
- Safevolt™ technology to improve safety and reduce costs

We believe in installing the appropriate charging solution for each use case in the right location. If required, ChargeLight can coordinate a one-stop-shop solution, thereby reducing complexity and delivering an efficient and effective charging strategy.



On-Street Residential



Car Parks & Rapid hubs



- Dedicated lamppost charging specialist
- Lowest cost, lowest carbon, least clutter solution for urban environments



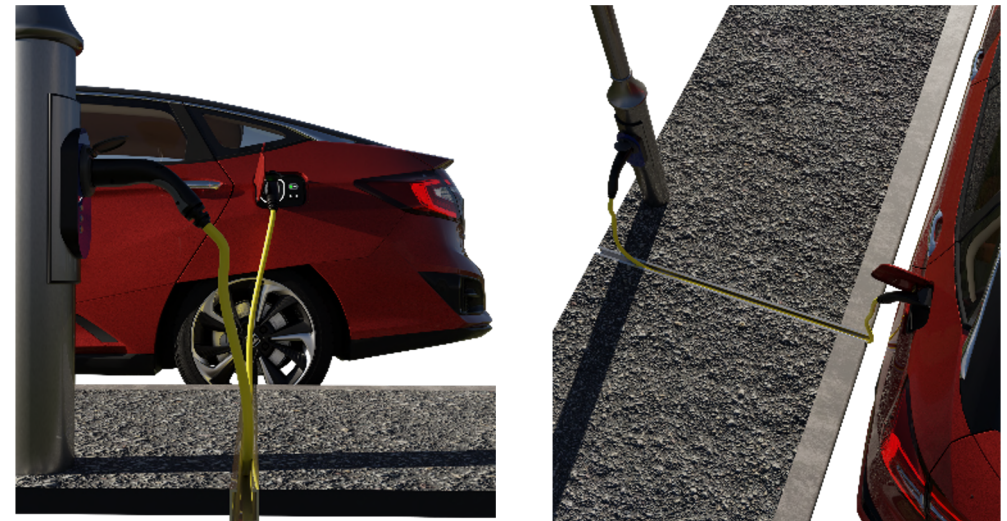
- Focused on destination and workplace charging
- Dedicated design and connection team
- Industry leading UK chargepoint manufacturer
- City centre or hub architecture

Satellite Bollards



- Provides simple to access, easily identifiable kerbside socket
- Only one additional piece of street furniture (no feeder pillar)
- Wide range of design aesthetics to suit every street scene
- Use of NAL socket provides 'plug & play' flexibility

Gulley to Kerb



- No additional street furniture – useful for narrow pavements
- Lowest cost option
- Limited street works and no cabling requirement

- Fully financed turnkey solution
- Zero cost to the council - all upfront and ongoing costs covered
- Co-ownership model available
- **Pilot Roll-out** → **Assessment** → **Phased Scale**
- Surveys and OZEV grant application
- Billing and Customer Support
- Maintenance and Repair



Revenue share

- Effectively a tax on less well-off residents
- CPOs will add on to their retail price (plus VAT)
- Simple to understand and calculate
- May reduce usage / EV uptake due to higher pricing

Profit share

- Increased alignment with CPO
- Requires clear documentation
- Unlikely to deliver cash flow immediately
- Will deliver a more competitive price to residents

Guaranteed revenue

- Equally a tax on less well-off residents
- CPOs will include in their pricing model (plus VAT)
- Simple
- Impact on EV uptake

Co-ownership

- Complete alignment with CPO
- Simple design
- Provides income and potential capital gain
- Could be combined with an advance to provide income in earlier years

Planning

- LA inputs such as preferred ward distribution and existing known demand
- Desktop surveying and selection
- OZEV grant application

Smart Platform

- Network uptime
- KPI reporting & data sharing
- Remote diagnostics and fault detection
- Load balancing

Installation

- Physical site surveying
- Installation by preferred contractor
- 8-12 weeks from commitment to commissioning

Repair and Maintenance

- Twice yearly inspections and planned maintenance
- 2 hour resolution on safety critical issues
- Vandalism

Charge Light

A charger on every street

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