



ubitricity

“Once or twice a week, while we sleep, the car is charged right outside our home”
Adam, Westminster resident

Residential Charging

Challenges facing Local Authorities

Residential charging provides a different set of challenges to those of charging at motorways, supermarkets or the high street:

- › Requirement to provide convenient charging points for residents
- › Traffic Management Order (TMO) required for designated electric vehicle charging spaces
- › Complaints from non EV residents at loss of spaces from general parking supply
- › Planning permission for a designated charging cabinet with a meter (cost, street clutter, length of time to install, reading issues with meter, etc...)
- › Location of charging point relevant to resident's home
- › Stranded assets if resident moves / sells car

Ubitricity has developed a solution for residents with electric vehicles & on-street parking



The residential solution.

Why not utilise more of what is already there?

- › Most councils already have suitable street lights where residents live and want to charge
- › Residents want convenient charging, the street light outside their house becomes their home charging, on-street...
- › Significantly reduces costs to the council
- › Can be installed in under one hour
- › Minimises / avoids additional street clutter
- › Eliminates need for reserved bays (if desired)
- › Utilises existing unmetered supply, no need for additional metering, MPANs, etc...
- › All energy billed directly to ubitricity from day one, not the local council

Affordable.
Scalable.
Convenient.

Ubiquitous EV Charging.



SimpleSocket

- › Ubitricity SimpleSockets can be retrofitted into existing columns in around 30 – 40 minutes
- › Alternatively they can come pre installed in new columns
- › Socket physically retains plug when powered, released by EV driver (also releases in event of a power cut)
- › Unobtrusive sleek design
- › Secure authorisation with SmartCable required before socket is powered up
- › Power: 230V, single phase, 5.8kW (can fully charge an i3, Zoe, Leaf, etc... from flat to 100% in 6 hours or less)
- › Plug: Type 2

- › If required socket can be removed in under 3 minutes and redeployed to another location. No stranded assets.



SmartCable

EV drivers now bring the billing technology with them whenever they want to charge.

All charging transactions are itemised and billed monthly, the exact same principal as a mobile phone.

- › Contains European MID approved meter
- › Has a sim card for communication to the cloud
- › Has option for working in areas with no mobile reception
- › Vehicle connection can be Type 2 or Type 1
- › Will work in passive mode at non ubitricity charge points (no need for multiple cables)
- › Can see consumption details online or on ubitricity app
- › Compatible with standard charging infrastructure (IEC 61851-1 Mode 3)



Electrifying Car Clubs

First car club

Oxford City are helping to electrify their car clubs by installing ubitricity SimpleSockets

- › 5 columns have recently been fitted with ubitricity sockets in car club bays
- › Co-wheels car club will be utilising these sockets for its new electric cars
- › First UK car club to use ubitricity's solution
- › Previously the cost from installing traditional solutions, coupled with long lead in times from planning requirements, meant there was a real barrier to electrifying car clubs. We are now in contact to offer our unique and low cost solution to a number of Boroughs



Choice of energy supplier

- › As of November 2017, OVO Energy became the first green electricity supplier to offer Kensington & Chelsea residents its energy through a branded ubitricity SmartCable
- › In future other suppliers will also offer this service allowing residents a truly competitive choice of energy providers
- › Suppliers will benefit from being able to offer customers a home + EV car offering, as well as future smart charging capabilities (vehicle to grid, etc...)



Don't just take our word for it, listen to actual residents...

“Would recommend to every EV owner”
Anthony, Kensington & Chelsea resident

“I was incredibly excited when I saw the charging points going in to the lamp posts here and that inspired me to order an electric vehicle” Hugo, Lambeth resident



“It's been brilliant!”
Kathryn, Lambeth resident

“It is amazingly convenient and cheap” Babak, Lambeth resident

“I can fully charge my Tesla overnight. I would not have bought my car without being able to charge it” Patrick, Kensington & Chelsea resident

“Excellent and would recommend to all EV drivers..., easy to use, would be willing to pay more for the service”
Ray & Jacquie, Westminster

Watch us in action...

- › For further information please watch the 7 minute Fully Charged episode... With Robert Lewellyn looking at the London Borough of Hounslow trial, interviewing Kieran Taylor from the council and also a satisfied resident.



Ubitricity | Fully Charged - YouTube

YouTube · fullychargedshow



Many thanks for your attention!

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