LoTAG Group 2 & Smart Cities Conference

Electric Charging of vehicles from Lamp Columns



GARY NOBLE

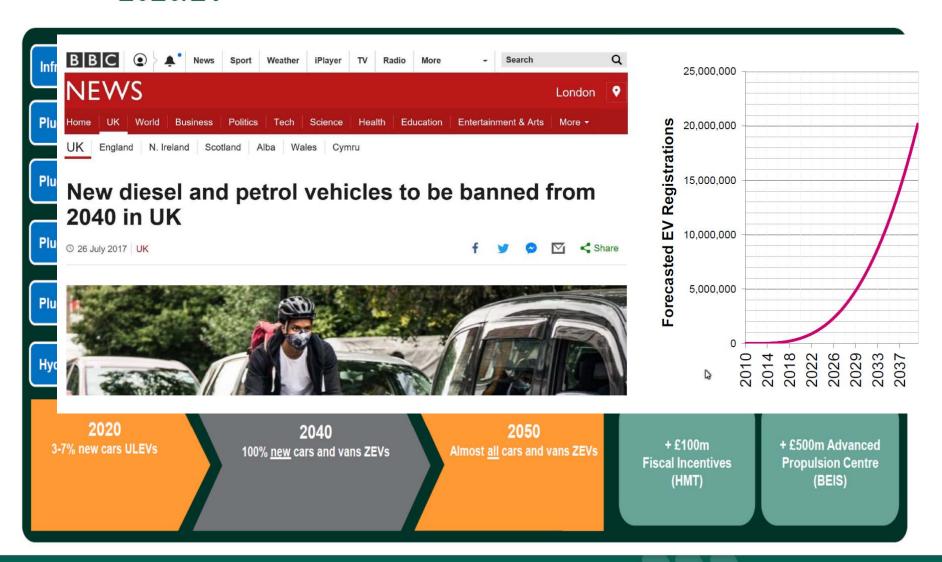
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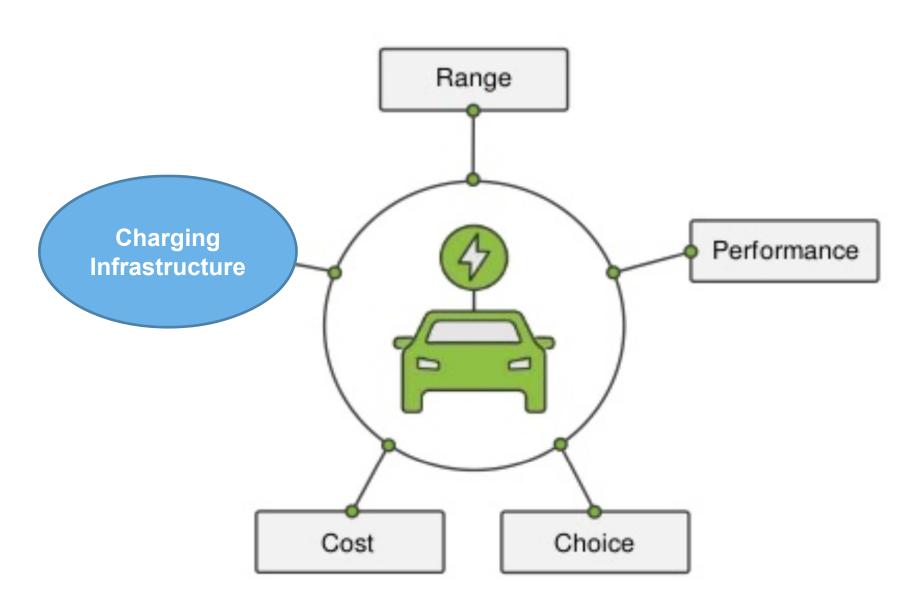


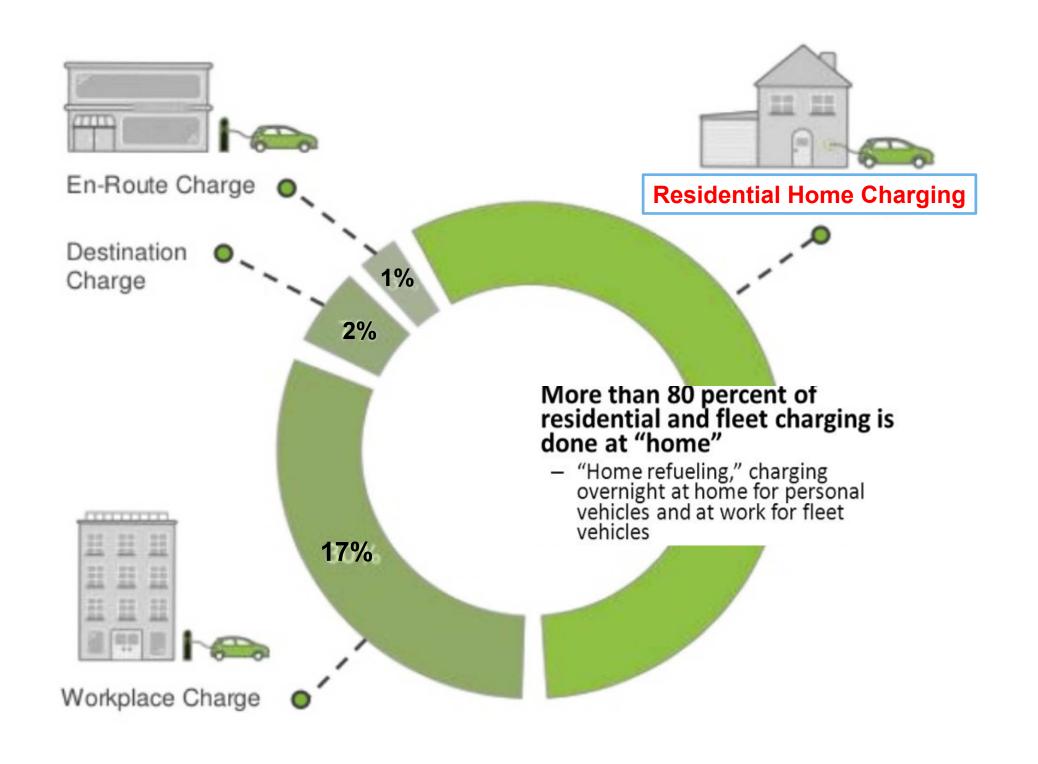


Total Government investment is now nearly £1.5 billion until 2020/21



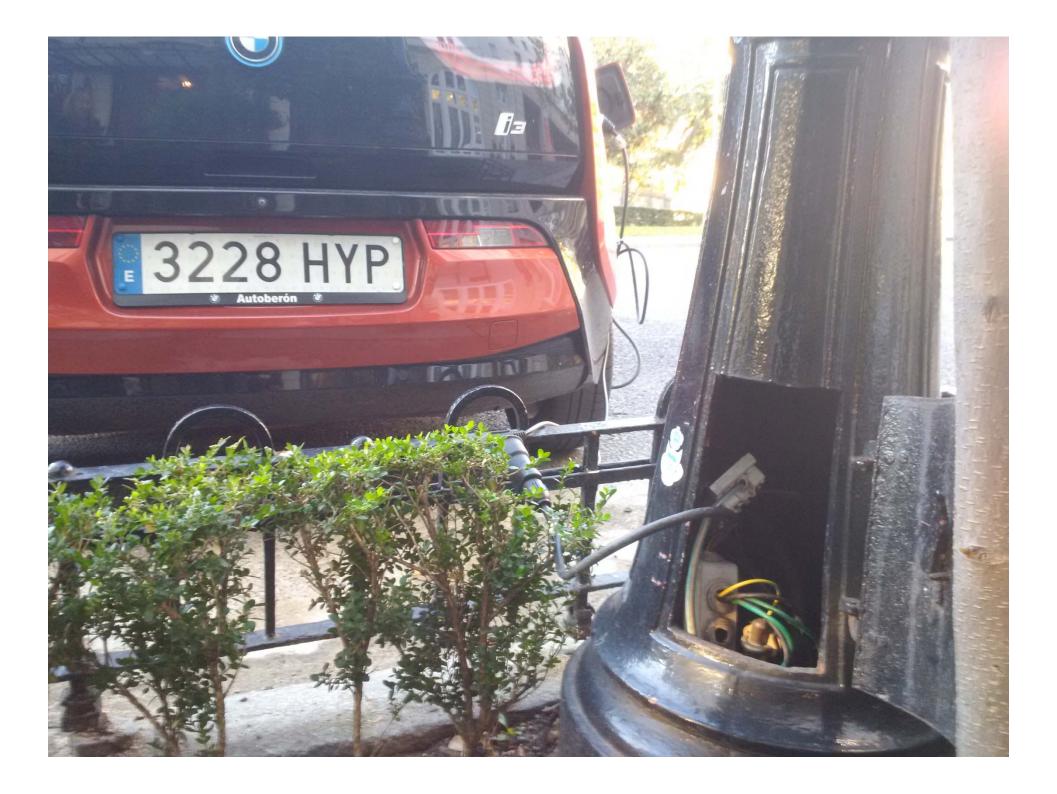
Barriers to EV







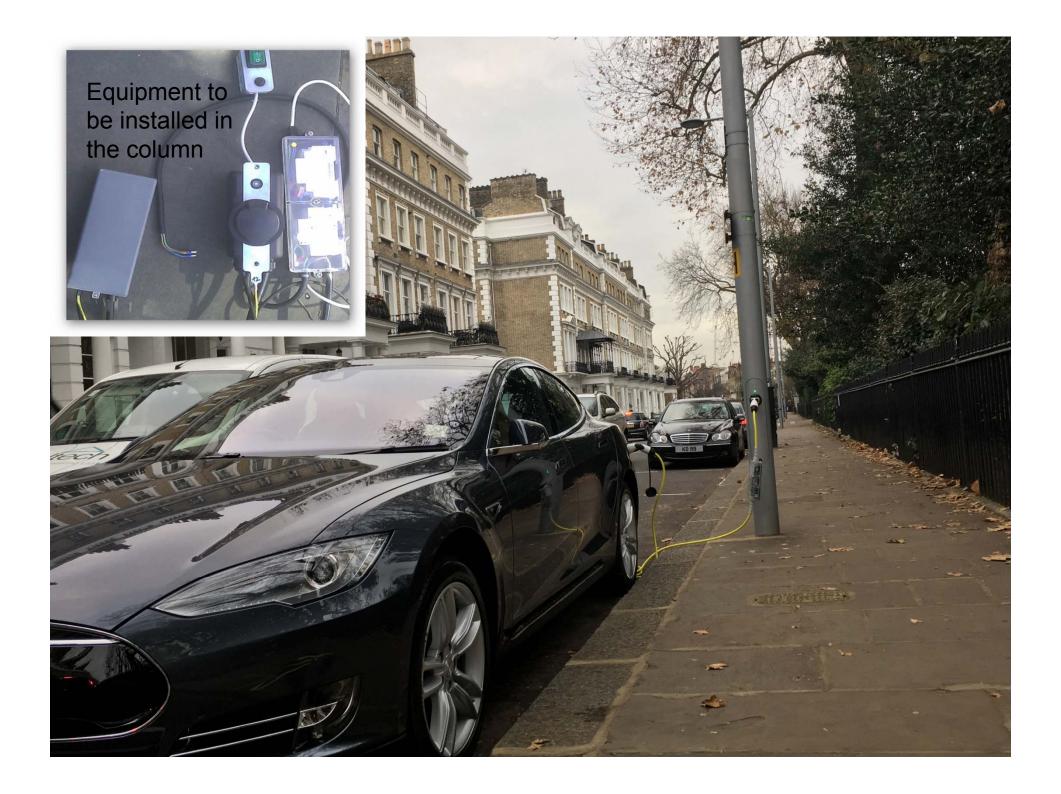


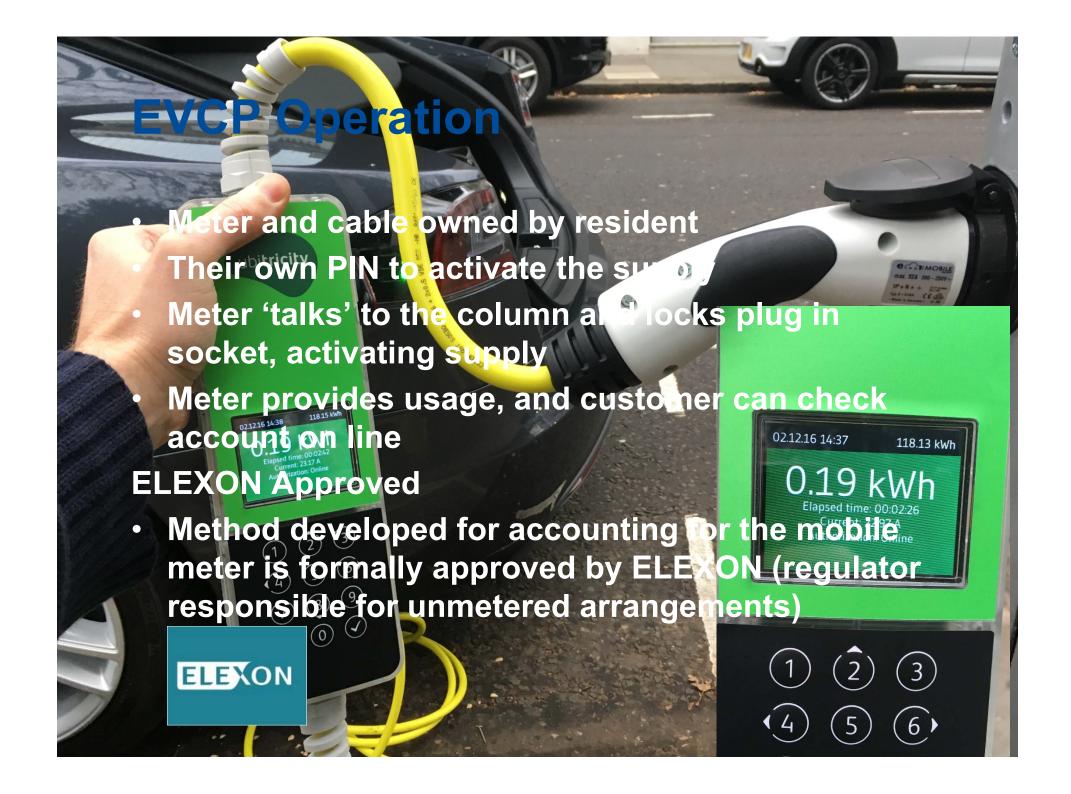












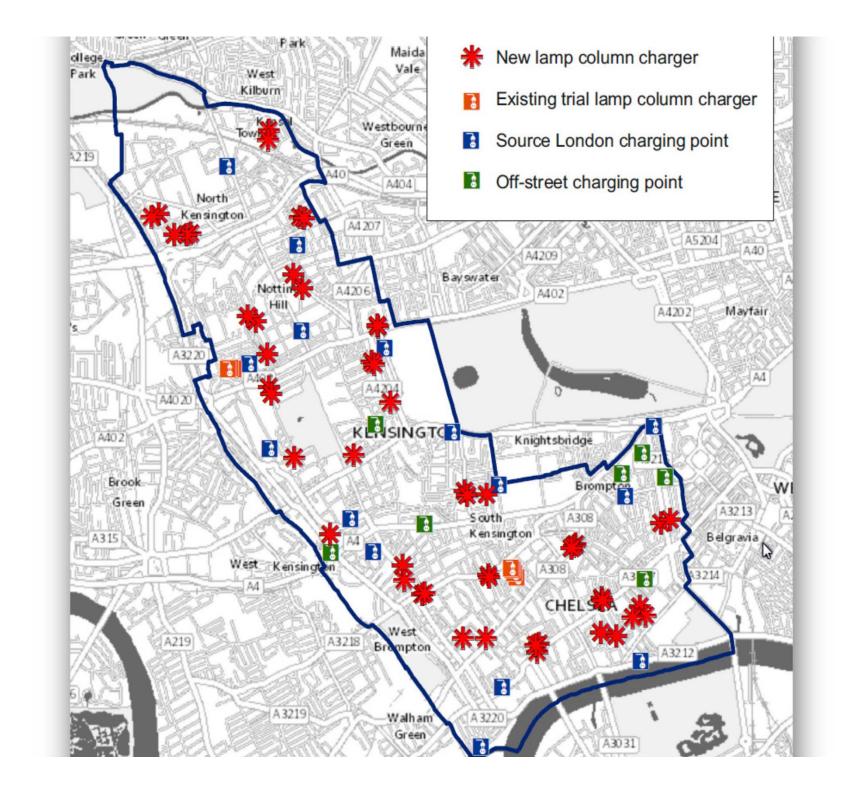
Successful trial with EVCP on lamp posts

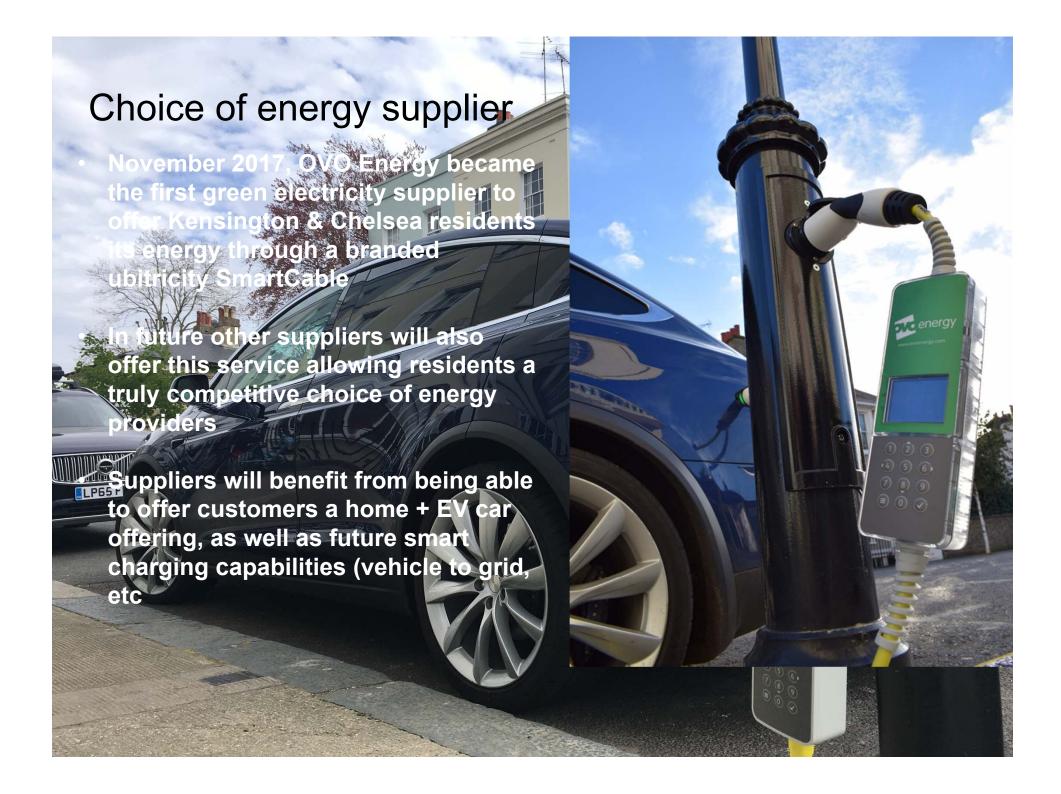
- RBKC Strategy
 - Installation where possible in P&D or single yellow line
 - Advantage Locations available free outside controlled times, limit possible 'hogging' of resident bays
 - Install in groups of three along a road, as no designated bays
 - The Council remains in control of our street lighting assets
 - The cable and contract for the supply and charging will be between the resident and provider
 - The Council will require a charge to cover future maintenance and replacements costs
 - Plug-in charge and usage charge to deter 'hogging' the EVCP



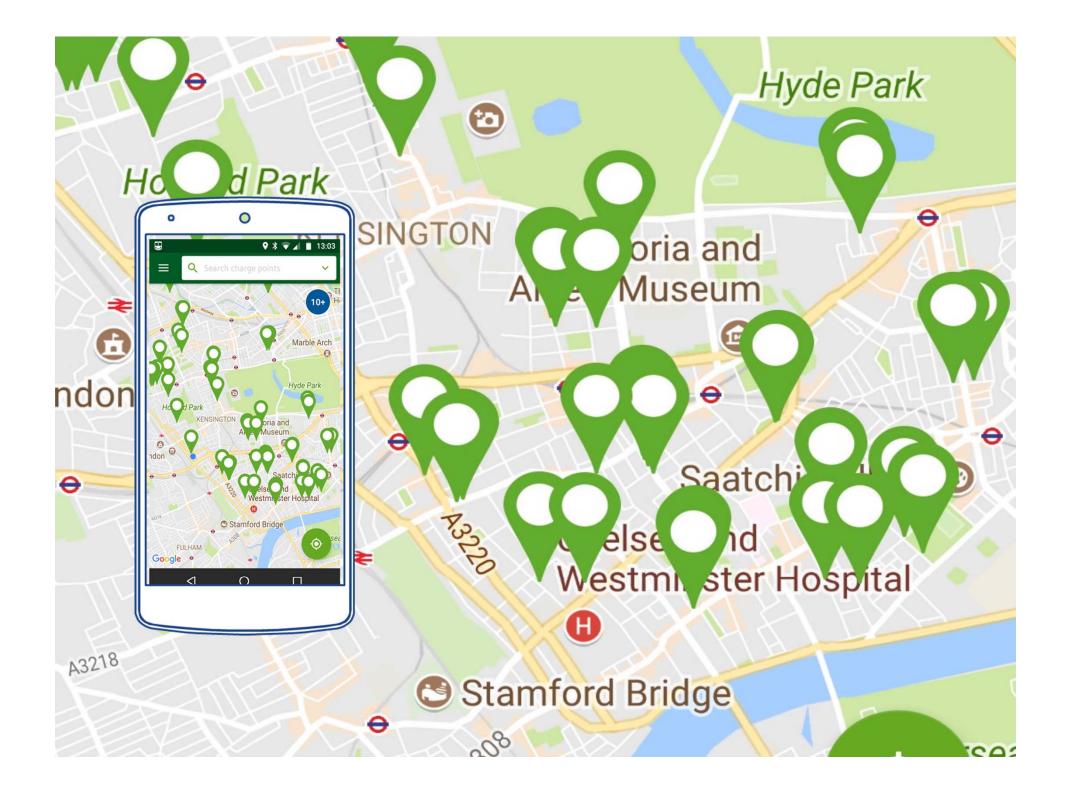








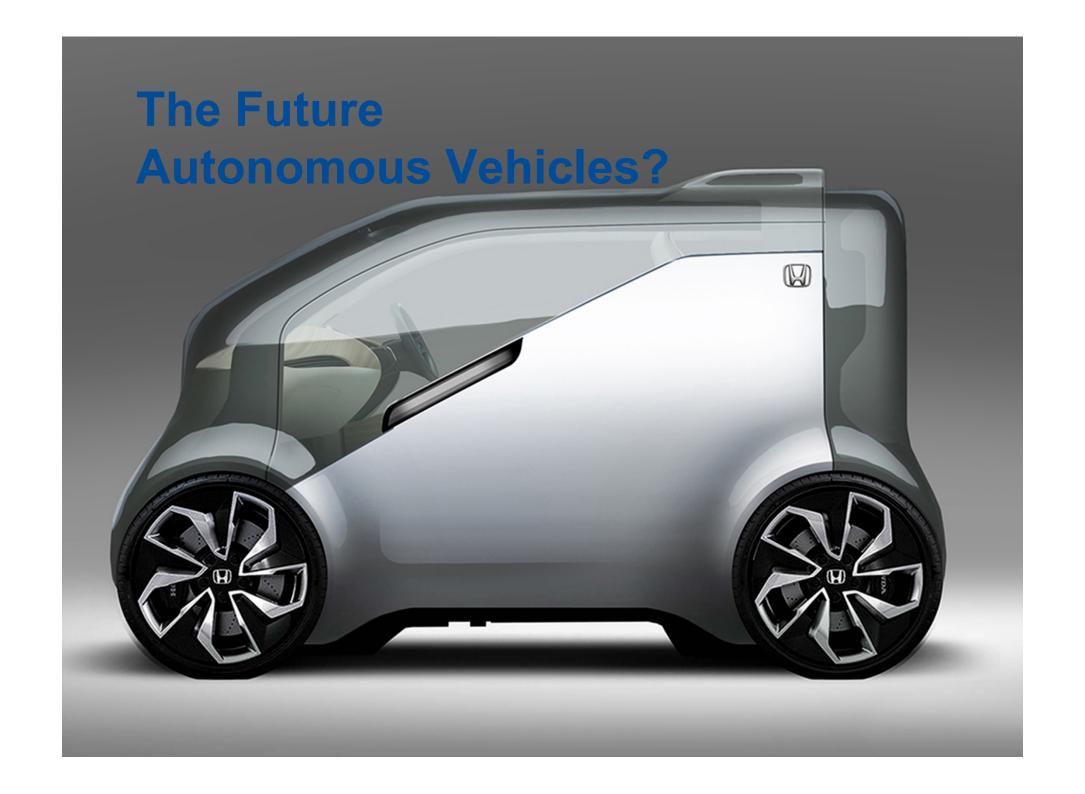


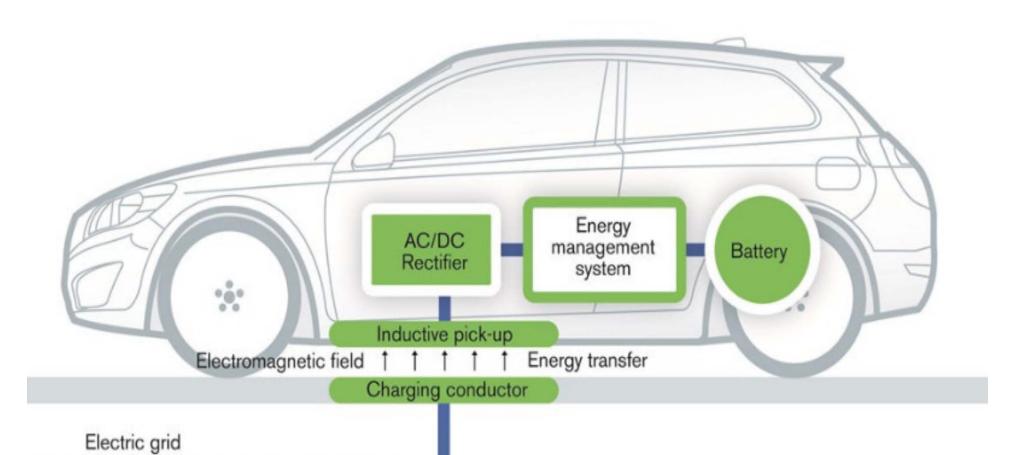


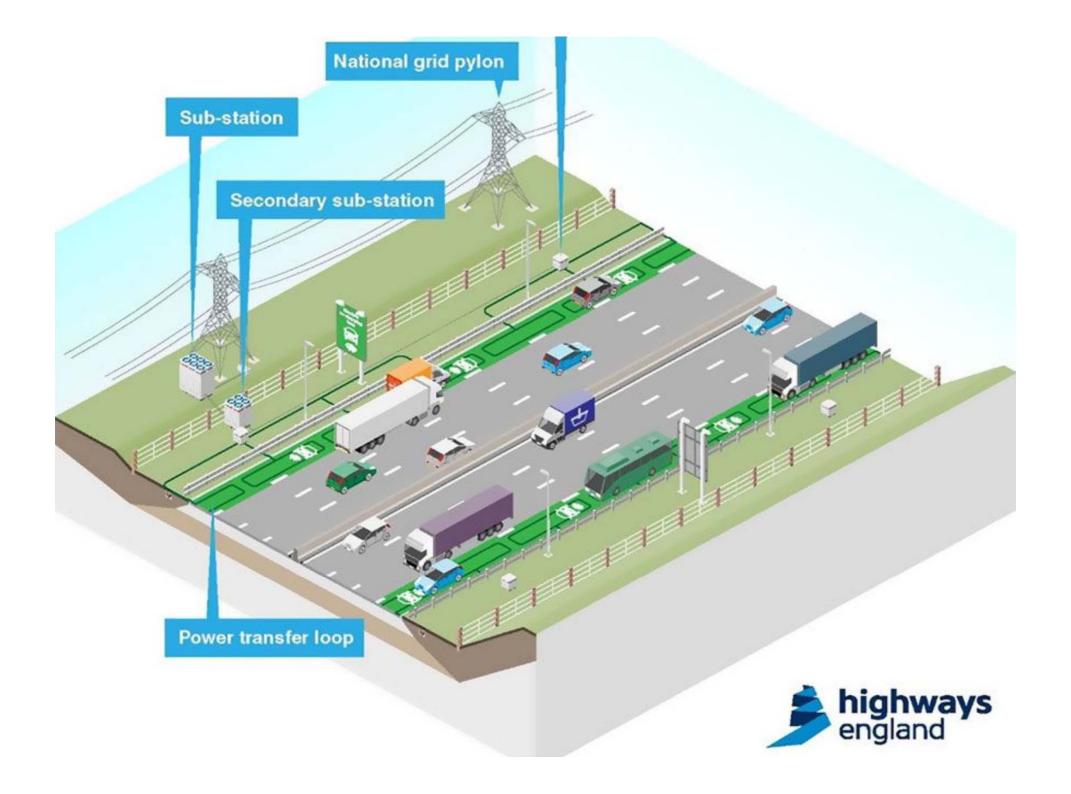
Conclusion

- EVCP in lamp columns provides more flexibility
- It has been well received by those using them, 'good charging experience'
- Easy enough to install and redeploy if required
- Our strategy is:
 - The Council will continue to; manage, maintain its own assets and the equipment including the EVCP within the columns
 - The responsibility for the cable, meter, billing and usage will be the responsibility of the user and provider of the service
- The units installed will:
 - Increase our knowledge of usage
 - Test our strategies
 - Test demand



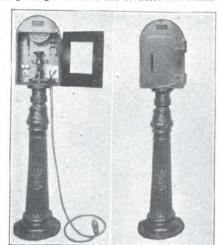






Public Electric-Vehicle-Charging Station

A compact charging station for electric automobiles, which is inclosed in a weatherproof box and is mounted on a pedestal so that it can be placed near the curb, is shown in the accompanying illustration. A charging cable and plug are provided, and while the battery is being charged the door can be closed and locked. A



FIGS. 1 AND 2—CURB CHARGING STATION FOR ELECTRIC AUTOMOBILES

regulating rheostat, ammeter, polarity indicator, lamp, switches, etc., are mounted on a slate panel as shown in Fig. 1. The box is of sheet steel and is electrically welded. The pedestal is of cast iron. Connection with the direct-current supply is made through conduit passing underneath the sidewalk. A prepayment meter may be used if desired, but on account of the numerous sizes and kinds of batteries and varying conditions an attendant is usually required.

This device for charging electric cars at the curb is made in two sizes with ratings of 100 amp and 150 amp and is being placed on the market by Clarence E. Ogden, 514 Mercantile Library Building, Cincinnati, Ohio.

