



Electric Vehicle Charge Points Presentation

ABOUT CHARGEMASTER

Largest manufacturer of charge points in the **UK**

Established for 8 years, since inception of EV market

Official Charging Partner to 8 car manufacturers – Tesla, BMW, Nissan

Largest provider to Transport for London & 35 Local Authorities

Preferred Supplier to Asda, Waitrose, CostCo, British Gas, EDF

Official EV Infrastructure Provider to FIA Formula E

Owner & operator of POLAR, UK's largest charge point network

In-house installation & maintenance team of 60+ engineers

£14m+ turnover with shareholders including BMW & Qualcomm

CLIENTS



In 2010, there were 138 Electric Vehicles on the road in the UK. Less than 6 years later, today there are over 75,000 on the road.



AVAILABLE CARS 2012



additional CARS AVAILABLE TODAY



AVAILABLE SOON



CASE STUDIES



CHARGE POINT CONSIDERATIONS

MOUNT

Key Operation

RFID Operation

Public Access



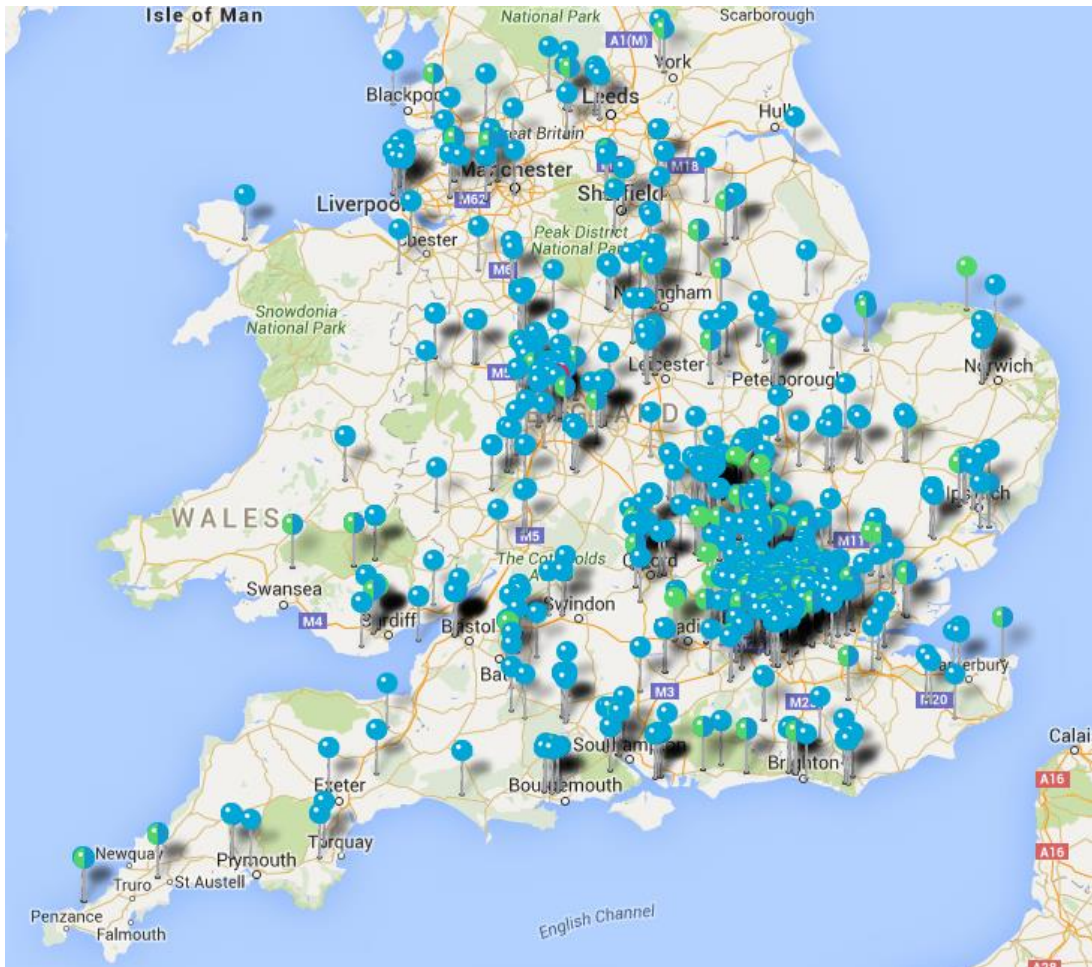
POWER CAPACITY

Single Phase Power Supply 3kW (16A)

7kW (32A)

3 Phase Power Supply 22kW (32A)

50KW (125A)



The Polar Network now has over 6,500 public charge-points.

PAYG options

POLAR USAGE MONITORING

POLAR
charge where you are

[Dashboard](#)
[Map](#)
[Recharges](#)
[Account](#)

Welcome back, Michelle Harris ([logout](#))

Usage Summary


Last Week

Last Month

Last 3 Months


Last 6 Months

All Time




152

TOTAL RECHARGES




1786.36

TOTAL ENERGY (kWh)



1495.18

CO2 Saved - kg



1161.13

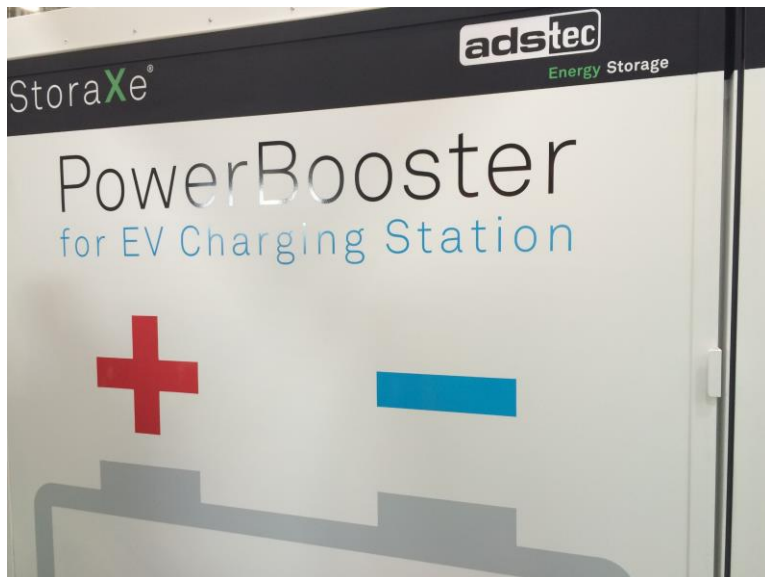
MONEY SAVED

Latest Recharges

All
POLAR
HomeCharge

Date	Location	Time	Duration	kWh
08/04/2015	Border Chase, Princes Oak, Shrewsbury, SY5 9AN	21:45 - 12:26	14h 41m	8.59
08/04/2015	Border Chase, Princes Oak, Shrewsbury, SY5 9AN	16:42 - 21:03	4h 20m	12.23
07/04/2015	Border Chase, Princes Oak, Shrewsbury, SY5 9AN	19:54 - 09:32	13h 38m	10.12
03/04/2015	Border Chase, Princes Oak, Shrewsbury, SY5 9AN	13:03 - 17:29	4h 25m	10.38
02/04/2015	Border Chase, Princes Oak, Shrewsbury, SY5 9AN	16:12 - 18:23	2h 11m	15.06

[View Detailed Recharge History](#)





Early adopters



Mass market

EV CHARGING INFRASTRUCTURE

To encourage take-up or meet a growing demand ?

Depends when you install

When will the tipping point come ?

We think very soon

What effect will EV charging have on the electricity grid ?

Smart meters and ToU tariffs required

EV CHARGING INFRASTRUCTURE

What revenue streams are available ?

Generated on-site sold on and off-site

What is the best storage solution ?

A tailored one

Best Locations ?

Co-located with renewable generation

WIRELESS CHARGING





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