

Delivering Ultra-fast charging Electric Forecourts® for fleet vehicles – the future business case

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Presentation Overview

- **1. The Challenge**
- 2. Where to Charge?
- **3. Fleet Ready Charging Infrastructure**
- 4. Site Selection and Network Development
- 5. The Electric Forecourt[®] Layout and Features
- 6. Summary



The Challenge

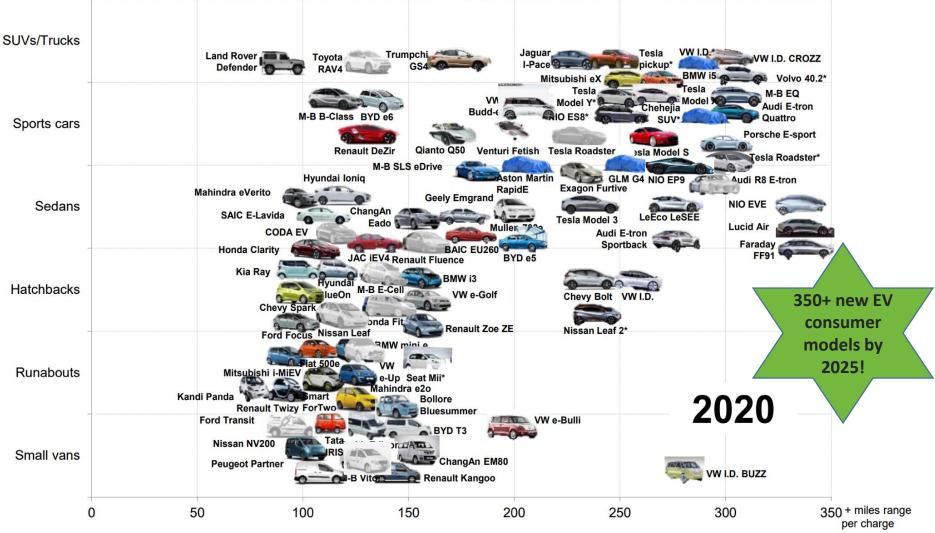
Today's UK public charging infrastructure needs to be rapidly transformed ready for the coming enormous wave of electric vehicles including cars, taxis, vans and trucks over the next 5 years.

For Fleets and Commercial drivers to take the plunge and fully embrace electric vehicles BOTH the availability of vehicles with the required performance characteristics AND reliable, dependable, convenient, fast and economic charging infrastructure are ESSENTIAL.

The GRIDSERVE Electric Forecourt® is designed to be the ultimate electric vehicle fleet and public charging experience, powered by low cost clean energy and supporting the local electricity grid.



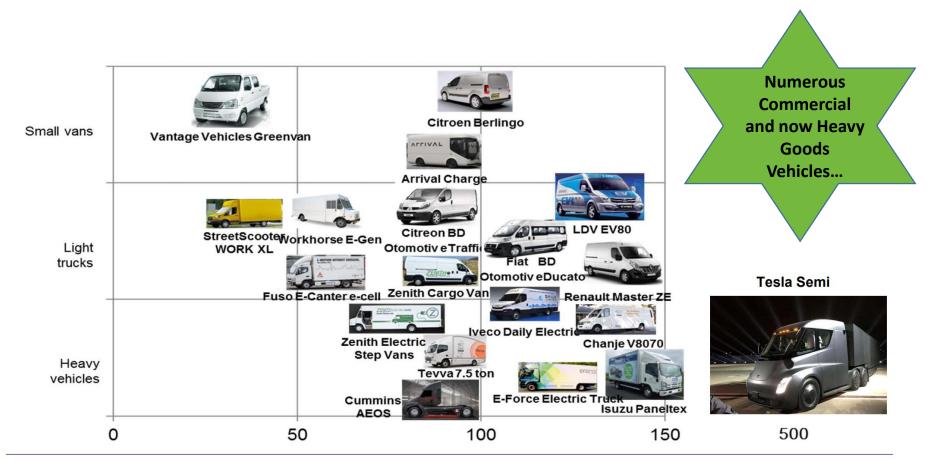
Today's public charging infrastructure needs to be rapidly transformed for the coming wave of electric vehicles...



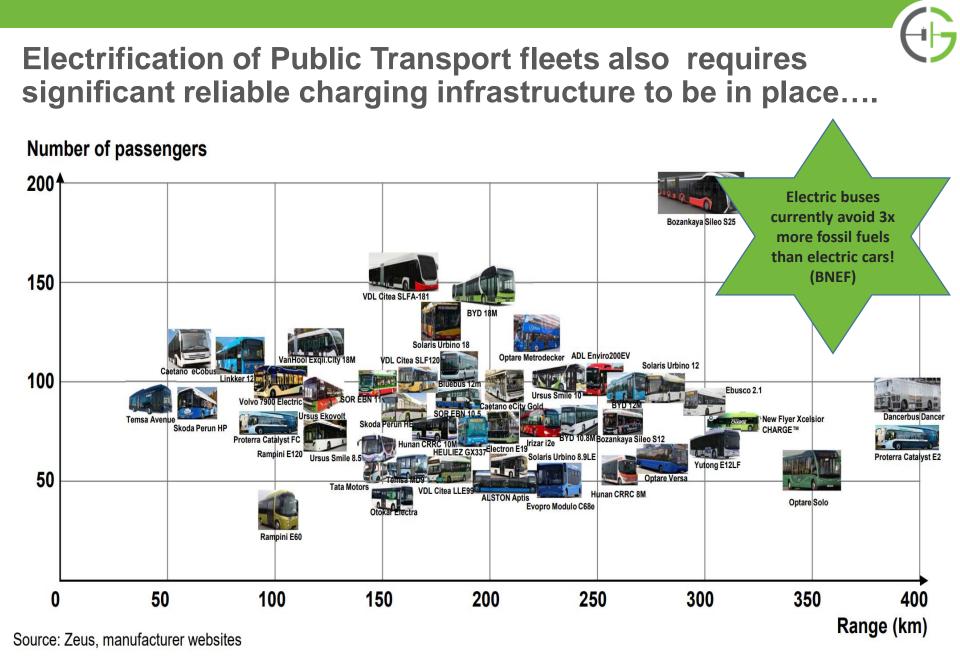
Source: Bloomberg New Energy Finance, Images various. Notes: Not exhaustive. (*) Range is estimate



...not only for EV fleets and consumers without access to off-street parking but also commercial fleets including vans and trucks



Source: @mliebreich



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And three of Europe's largest automotive manufacturers in March agreed to:



VW CEO Herbert Diess Ex-Daimler CEO Dieter Zetsche BMW CEO Harald Krüger

"Commit to an 'electric first' strategy... and to forego commitments to other forms of alternative propulsion, such as hydrogen fuel cells..."

VW CEO Herbert Diess:

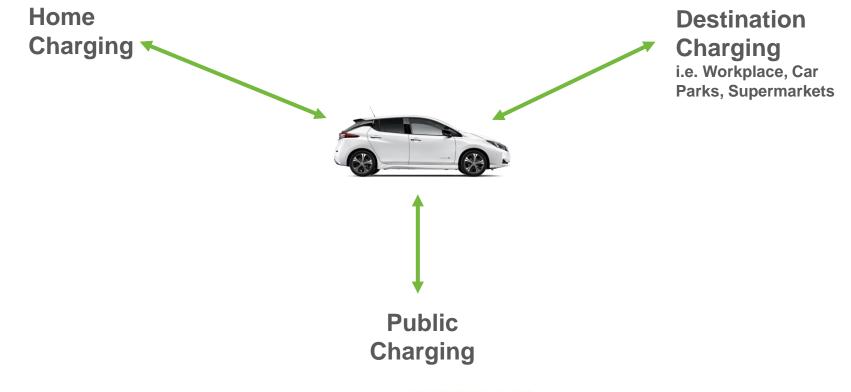
"there is no way around the Paris climate targets…

<u>... E-mobility is the only</u> <u>technology that is feasible</u> <u>from today's perspective</u>"

(Credit: Hendelsblatt)



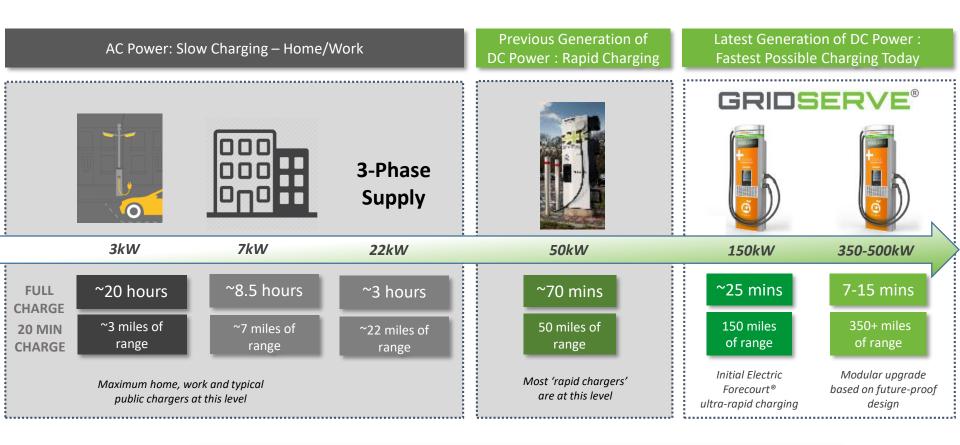
Where do you charge electric vehicles?



GRIDSERVE®

GRIDSERVE® will radically transform the experience of using electric vehicles, by delivering a UK-wide, sustainable energy powered, affordable, network of ultra-convenient, customer-focussed Electric Forecourts® that allow rapid charging for all electric vehicles and deliver an awesome customer experience

...mass-market EV adoption by fleets will require reliable rapid charging infrastructure - currently the weakest link

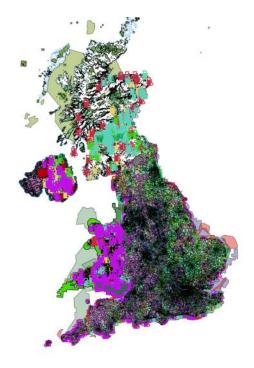


Delivering dependable, low-cost high power charging at this level requires an integrated approach considering grid constraints, public safety and user experience

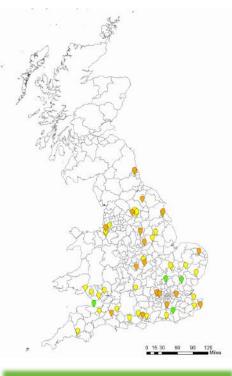
Source: GRIDSERVE, assumes a 60kWh or ~200-mile battery



First site submitted for planning......Network of over 100



>6,000 sites reviewed against 46 detailed Network Criteria



>100 sites now at initial exclusivity phase



First site submitted for planning Braintree, Essex

Braintree Electric Forecourt[®]

Convenient, Economic, Reliable, Dependable and Ultra-Rapid





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Electric Forecourt[®] Layout and Features

Convenient, Economic, Reliable, Dependable and Ultra-Rapid



Electric Forecourt[®] Layout and Features Flexible design accommodates: Commercial and Towing vehicles, Non-charging etc.





Electric Forecourt[®] Layout and Features Designed with the EV user experience at the centre and optimised for convenience, speed and scalability





Electric Forecourt[®] Layout and Features The ultimate electric vehicle charging experience, powered by low cost clean energy that supports the grid





Summary

To meet the needs of Fleet and Commercial drivers there are hundreds of new EV's coming to market in the next years BUT without the right charging infrastructure adoption will not accelerate.

GRIDSERVE Electric Forecourts[®] will provide a solution for Fleet and Commercial drivers that offers:

Over 100 Electric Forecourts®: a UK-wide network with Braintree first in Q1 2020

Convenient: Adjacent to key infrastructure, population centres, business locations

Reliable: Industry leading equipment suppliers

Dependable: Staff on-site, easy open charger access – no special RFID card or contract

Economic: Electric Forecourt[®] business model has multiple revenue streams, EV charging, solar, battery, convenience retail and additional business services

Ultra-Fast: Less than 30 minutes for a full charge even when <u>all</u> charging bays are occupied

Driver Welfare: Hot Food and Beverages combined with Airport Lounge style rest, recuperation and work facilities

100% Renewable Energy: Generated by GRIDSERVE for Sustainable Fleets



We are open for Business!

How can we support your Fleet?

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