

Zero Emission Fleets: Commercial Vehicles

UPS Depot, Kentish Town, London

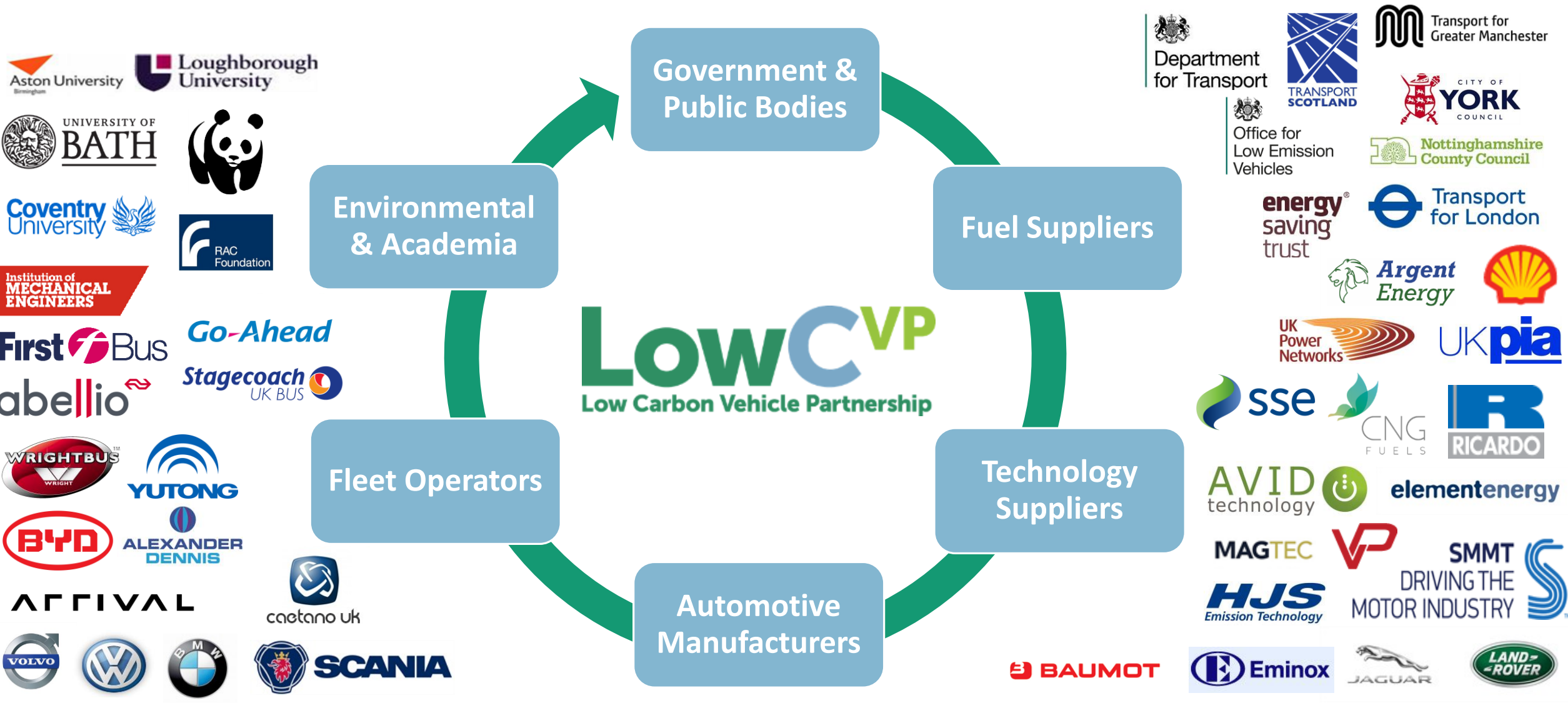
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Chris Douglas

Project Lead – Fleet Depot Electrification

LowCVP is a unique public-private membership organisation tasked with “accelerating the shift to low carbon road transport” in the UK.



LowCVP Working Groups

LowCVP members participate through the partnership's **Working Groups**, which formulate and develop initiatives.

There are currently working groups for:



The work programme is agreed by members, delivered through the Working Groups and overseen by the Members Council

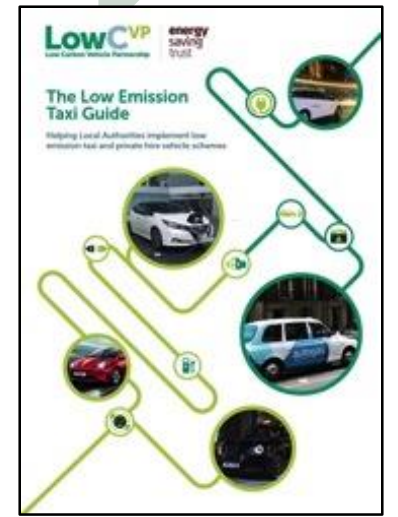
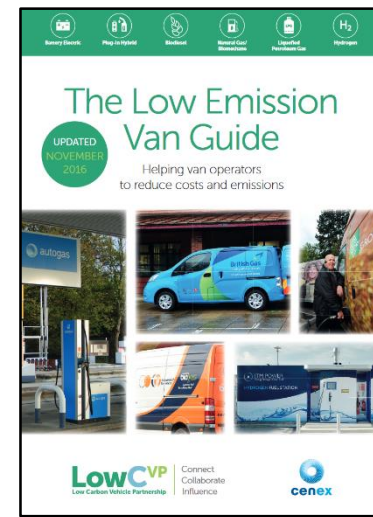
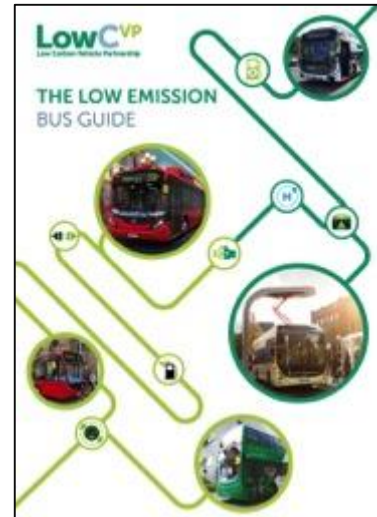
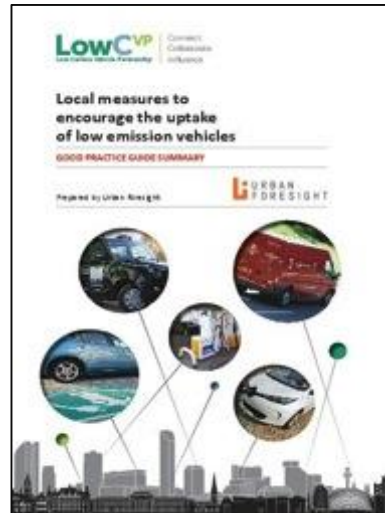
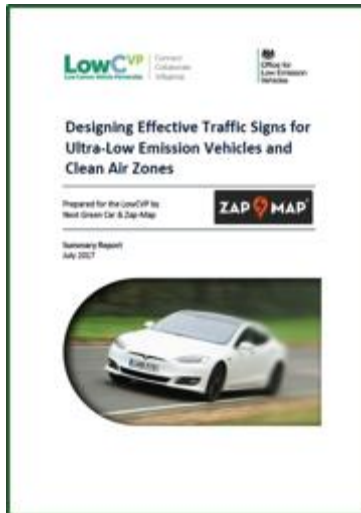
How we work...

Creating communities with shared goals

Market Understanding and evidence-based research

Influencing policy and information

Accelerating the market



Zero Emission Fleets Project

LowCVP Work Programme:

Electrification of commercial fleets and depot considerations (joint with EVET & BWG)

- Building on the Electric Vehicle Energy Task Force (EVET) work, this project will **develop guidance and support around the commercial depot-based charging challenge**.
- Working closely with members, the LowCVP will develop the case studies and guidance advice in these areas to **help spread best practice** and consistency across the market.

Zero Emission Fleets – Depot Charging Challenge

Background and Challenge:

- Demand for (and introduction of) fully electric and range-extended vehicles in the commercial vehicle sector has increased, particularly for town/city operations
- Many more fleets looking to introduce electric vehicles
- Existing depots restricted in power supply and therefore limited large scale vehicle recharging
- Connecting to the grid can be costly and protracted
- Investment required can be considered a risk (and therefore a barrier to uptake)
- Smart charging solutions exist – power demand scheduling, on-site renewable electricity generation, battery storage to avoid simultaneous charging of all fleet vehicles

- **But industry awareness of smart solutions is low, with a lack of information and understanding of options**

- How do we increase the electric vehicle fleet without upgrading network connection?

Zero Emission Fleets – Depot Charging Challenge

Objectives and Outputs:

- Provide guidance to industry on real-world solutions to tackle the depot-based charging challenge
- Work with LowCVP members across bus, van, HGV and electric infrastructure sectors to share knowledge and showcase best practice (CVWG and BWG)
- Series of (free to attend) workshops across the country – for bus fleets, freight fleets, infrastructure providers, vehicle manufacturers, energy sector and local government
- Set of 6 case studies to present best practice in depot charging solutions
- Establish an Expert Group to take forward future work
- Barriers and Opportunities Report...by end of March 2020