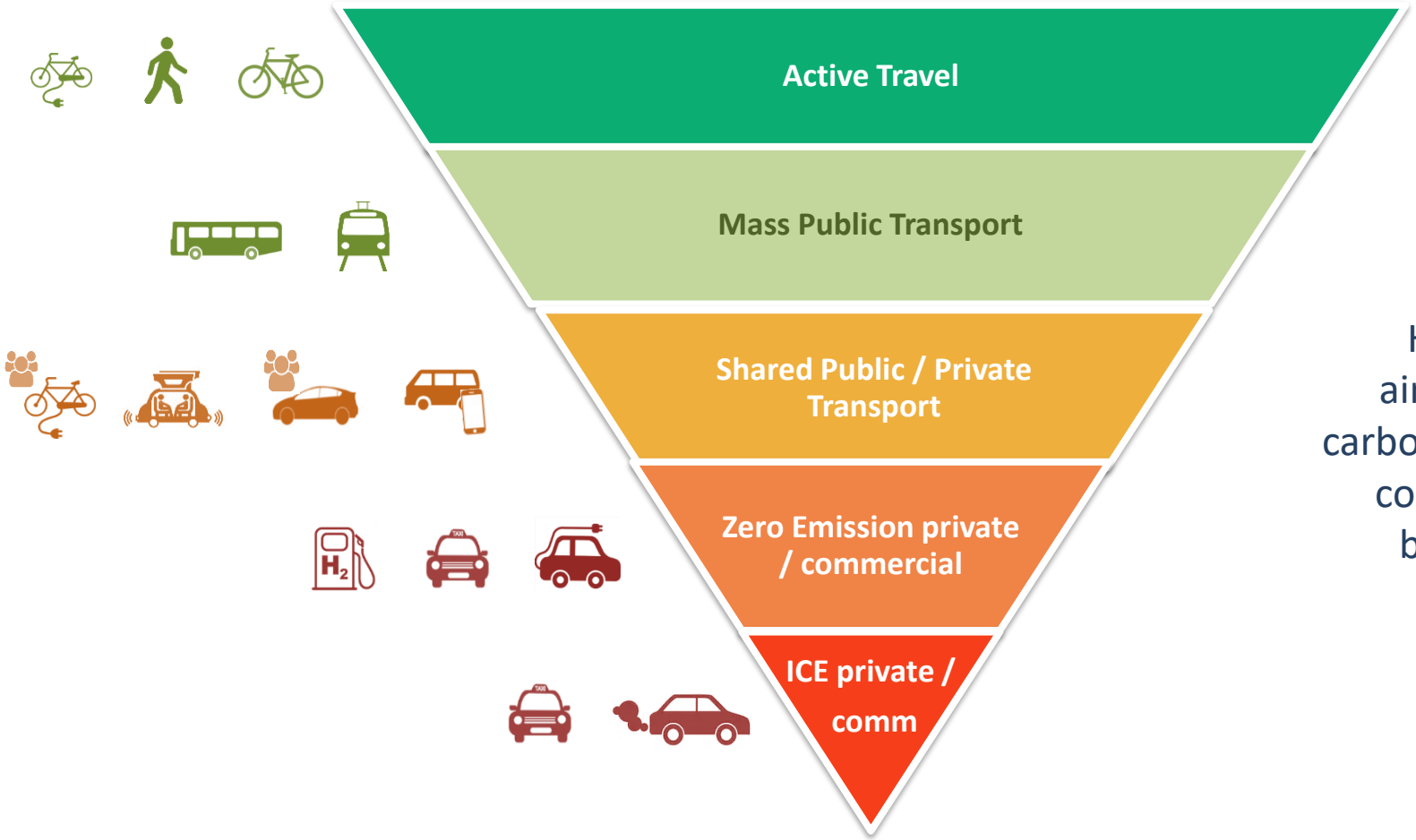
What is the future of mobility?

From…

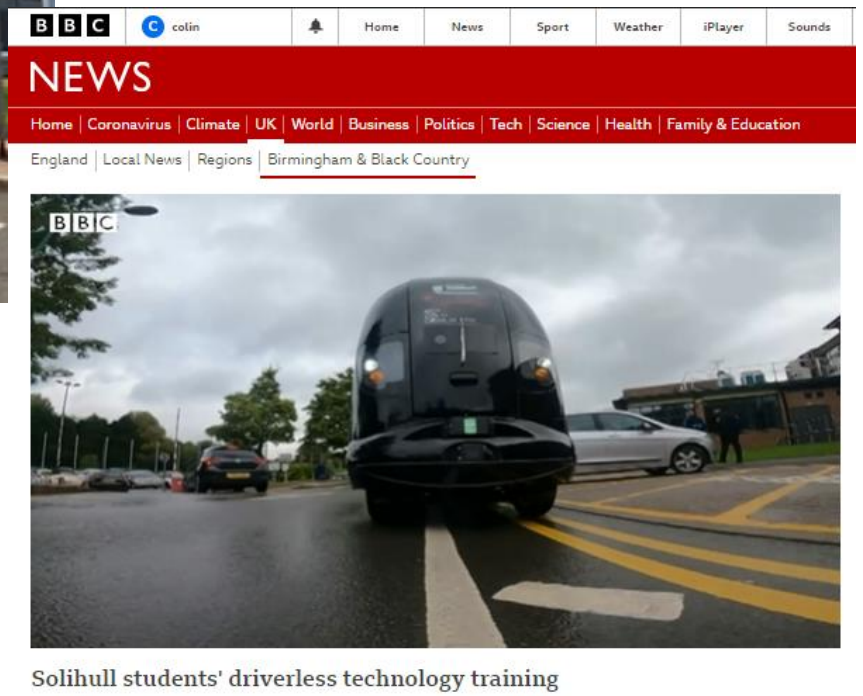
To…

Desirable Mobility Eco-System



Autonomy


UKCENTRAL
SOLIHULL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Solihull students' driverless technology training

"Highest proportion of EV's in the West Midlands"

"Jaguar going all EV by 2025"

"WPD project nearly 60,000 EV's in Solihull by 2030"

"30,000 home EV charge points needed by 2030"

"28% of households can't charge at home, so will rely on public and workplace charging"

https://www.solihull.gov.uk/About-the-Council/Electric-Vehicle-Strategy

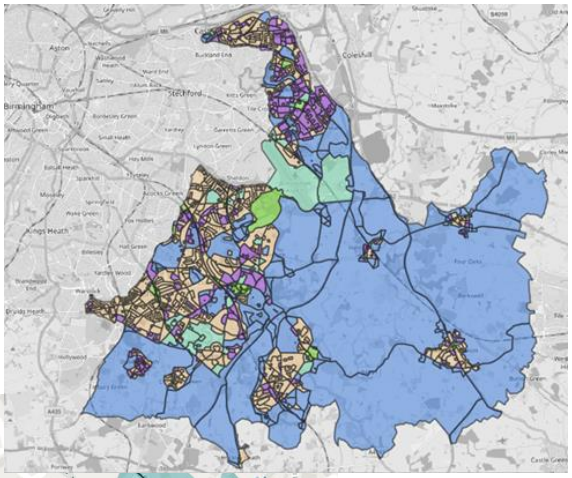
- **Objective 1:** Enable all residents, businesses and visitors to Solihull to have access to EV charging infrastructure that is reliable, convenient to use and competitively priced;
- **Objective 2:** Ensure residents and local businesses understand the benefits of EVs and are aware of the availability of charging infrastructure and related services in Solihull;
- **Objective 3:** Engage with residents and all local stakeholders to understand their challenges and concerns and support them in achieving increased adoption of EVs;
- **Objective 4:** For the Council to lead by example in the borough-wide transition to electric vehicles.

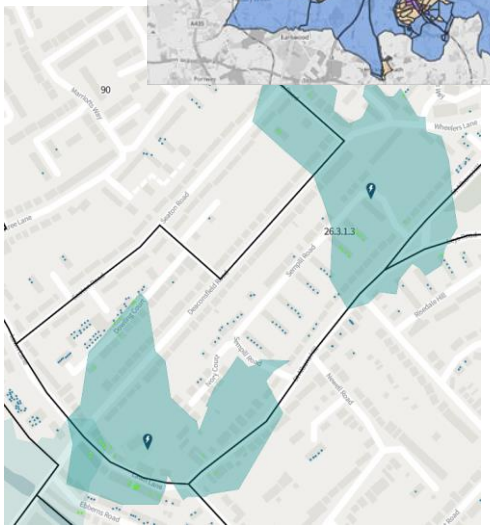
Where to charge?

Location	**Single-family home** Simple hardware offering for individuals; energy wholesale price but no markup	**Multifamily home** Simple offering with large volume potential; no or small markup	**Workplace** Midsize volumes with small B2B services markup, leading to stable cash flows	**Destination** Midsize to large volumes with medium energy-resale markup and dependent on utilization	**On the go** Midsize to large volumes with high resale markup but high required capital expenditure for DC chargers	**Fleet depot** Large volumes with stable cash flows; focus on services offered
Parking setup	Private	Private or shared	Shared	Public	Public	Private
Charging need	Multiple hours per day	Multiple hours per day	2–10 hours during work	<4 hours during visit	<1 hour on the go	Dependent on fleet management
Contractual party	End user	Real estate owner	Business owner	Business owner or municipality	Investor	Fleet owner
Technology required						

EV charging speeds

Ultra rapid = time for a pee/coffee
Rapid = time for lunch/shopping
Fast = should be done by the end of your shift
Slow = ready by breakfast, although possibly not tomorrow's breakfast





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Workplace Charging Scheme

- Charging your EV at home is the cheapest way to run it.
- Charging on the Public Charging Network will always cost more than charging at home.
- Workplace charging can be almost as cheap as charging at home and is just as convenient.

180 chargers
6 hours per day
900 vehicles
8 million miles per year
1,500 tonnes CO2e

Summary

The Workplace Charging Scheme (WCS) is a grant that businesses can use to reduce the cost of installing electric vehicle chargepoints for their staff by up to £14,000.

- The WCS grant is capped at £350 per chargepoint socket up to 40 sockets per applicant business.
- It's available to any business, charity or public authority, with some conditions.
- The grant is provided by the government Office for Zero Emission Vehicles (OZEV).