

London's Freight Challenges: Can electric vehicles help?



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Current challenges



Can electric vehicles help?

Plugged-in Fleets Initiative

- 150 public & private fleets
- Increase fleet adoption of PIVs

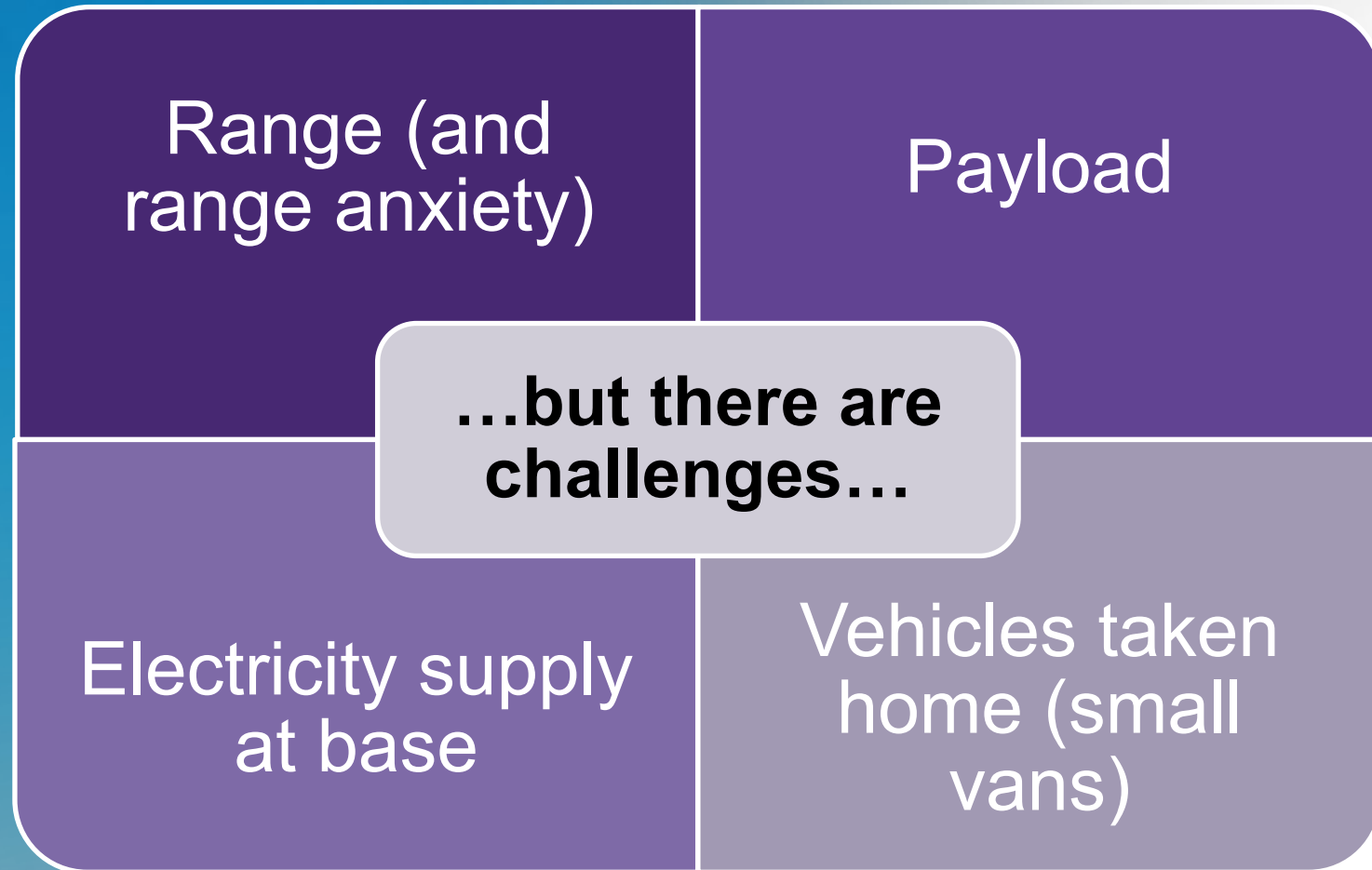
Methodology

- Senior stakeholder buy-in
- Whole life cost & carbon analysis EV vs. ICE
- Drive cycle
- Infrastructure advice
- Overcome barriers
- Report with clear recommendations

Outcome

- 1,422 vehicles identified where business case exists
- Plus 1,300 viable pool cars
- 61% have adopted EVs or are planning to

Can electric vehicles help?

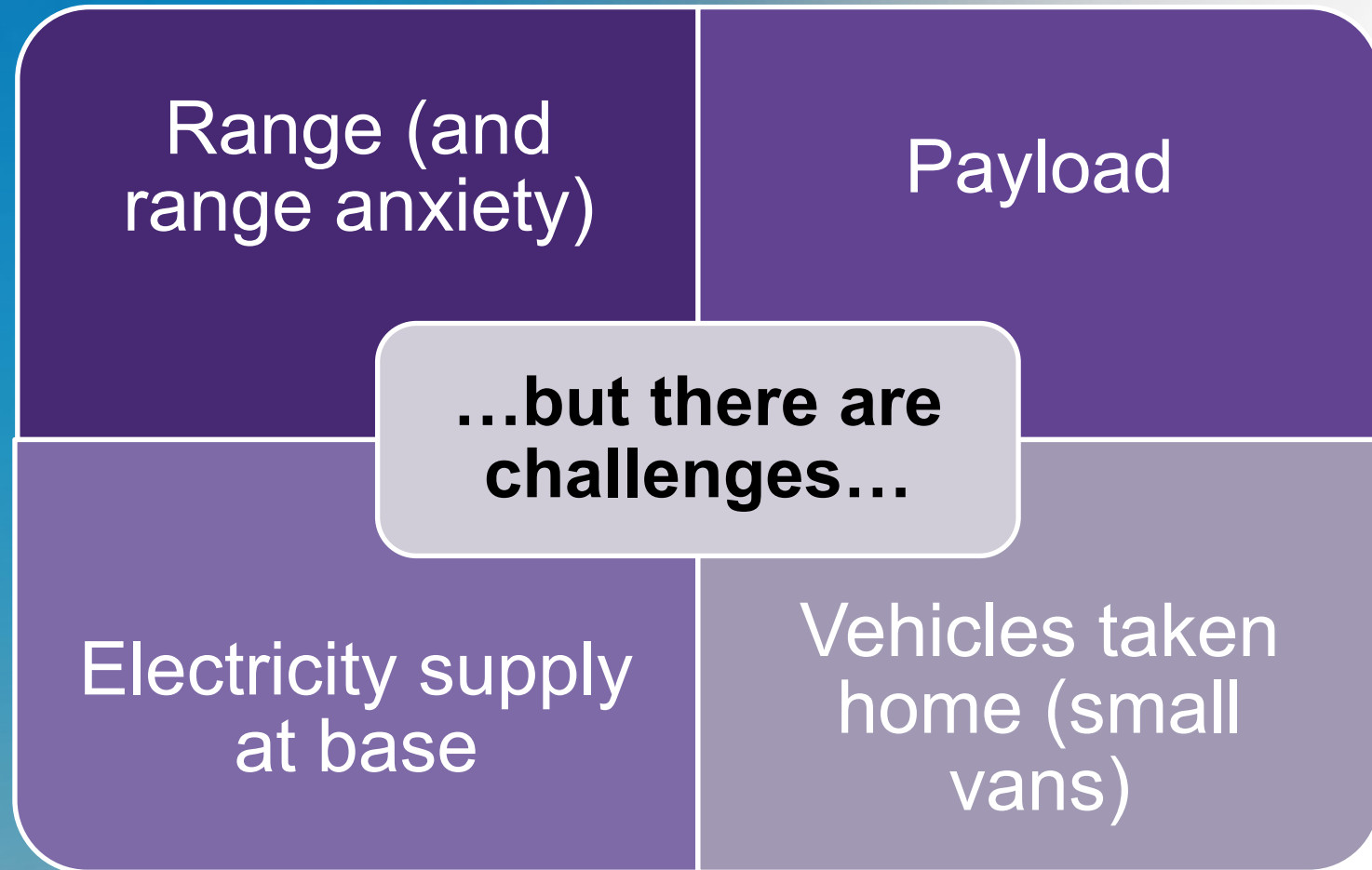


Top banana: a success story



- Driving c. 60 miles per day
- Saving **£3,000** per year vs. diesel Kangoo (WLC)
- Zero emission deliveries USP for business

Can electric vehicles help?



Rapid charging

Increase effective range and alleviate range anxiety

Right-size battery; reduce impact on payload



Base / depot charging not critical

Overnight charging not critical

Can rapid charged EVs help?

- Yes, with the right conditions:
 - The right infrastructure in the right place
 - Supported by appropriate policy
- How to ensure infrastructure is located strategically?

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 - EST & TfL rapid chargepoint mapping project
 - Commercial vehicles up to 12.5 tonnes
 - Analysing telematics data
 - Isuzu / Paneltex providing vehicle data



