



Fleet Electrification – Why ?



UPS

WHO WE SERVE

220+

Countries and Territories

10.6 Million

Customers Daily

58 Million

UPS My Choice® Members
as of 5/31/19

WHERE WE GO

Americas
Asia-Pacific
Europe

Indian Subcontinent, Middle
East, and Africa (ISMEA)
USA

WHAT WE DELIVER

5.2 Billion

2018 Package Volume

20.6 Million

Packages Daily

HOW WE DO IT



564

Owned and Leased
Aircraft



10,000+

Alternative Fuel or
Advanced Technology
Vehicles



28,000

UPS Access Point™
Locations



2,500

Worldwide Operating
Facilities



2,320

Daily Flight Segments



123,000

Vehicles



481,000+

Global Employees

WHAT WE DO



Global Small Package



Logistics & Distribution

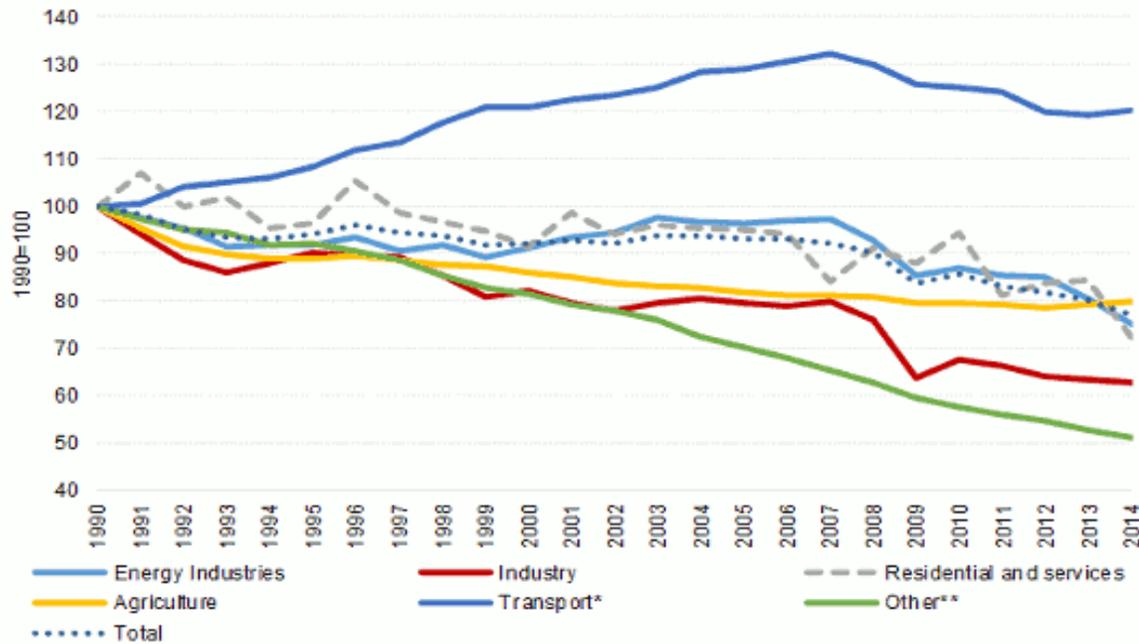
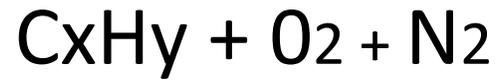


Insurance & Financing

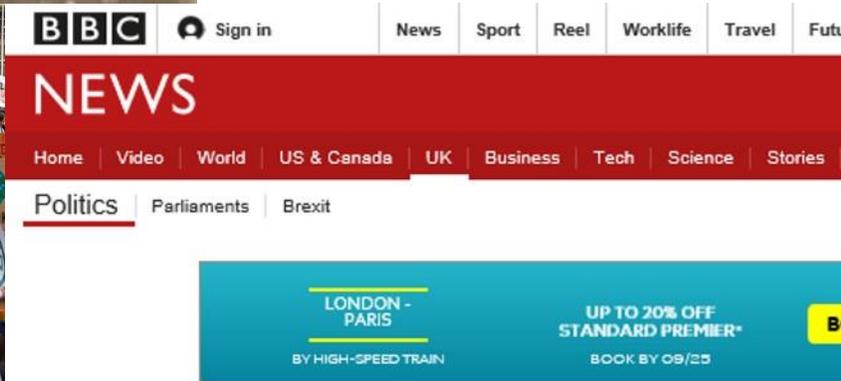
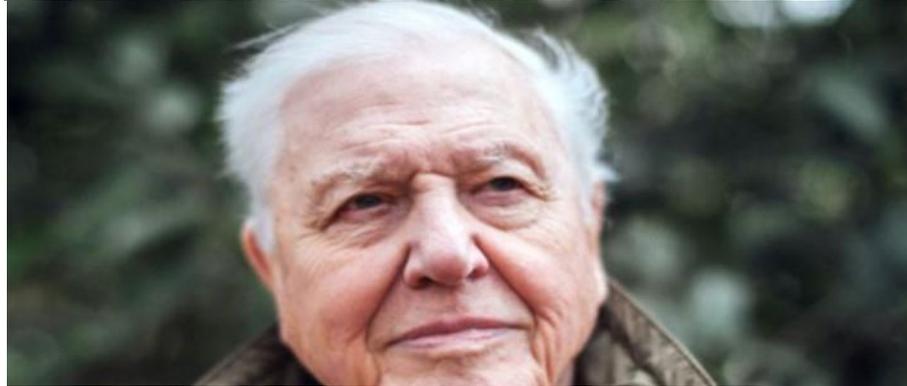


Freight Forwarding

The science: What happens when we burn fuel?



The politics: What do the people, the media and the politicians do?



UK Parliament declares climate change emergency

Global Goals

- 25% of all vehicle purchases to be alternative fuel / technology by 2020
- 40% of all ground fuel purchased to be alternative fuel by 2025
- 25% of electricity to be from renewable sources by 2025
- Absolute greenhouse gas emissions from ground operations reduction of 12% by 2025

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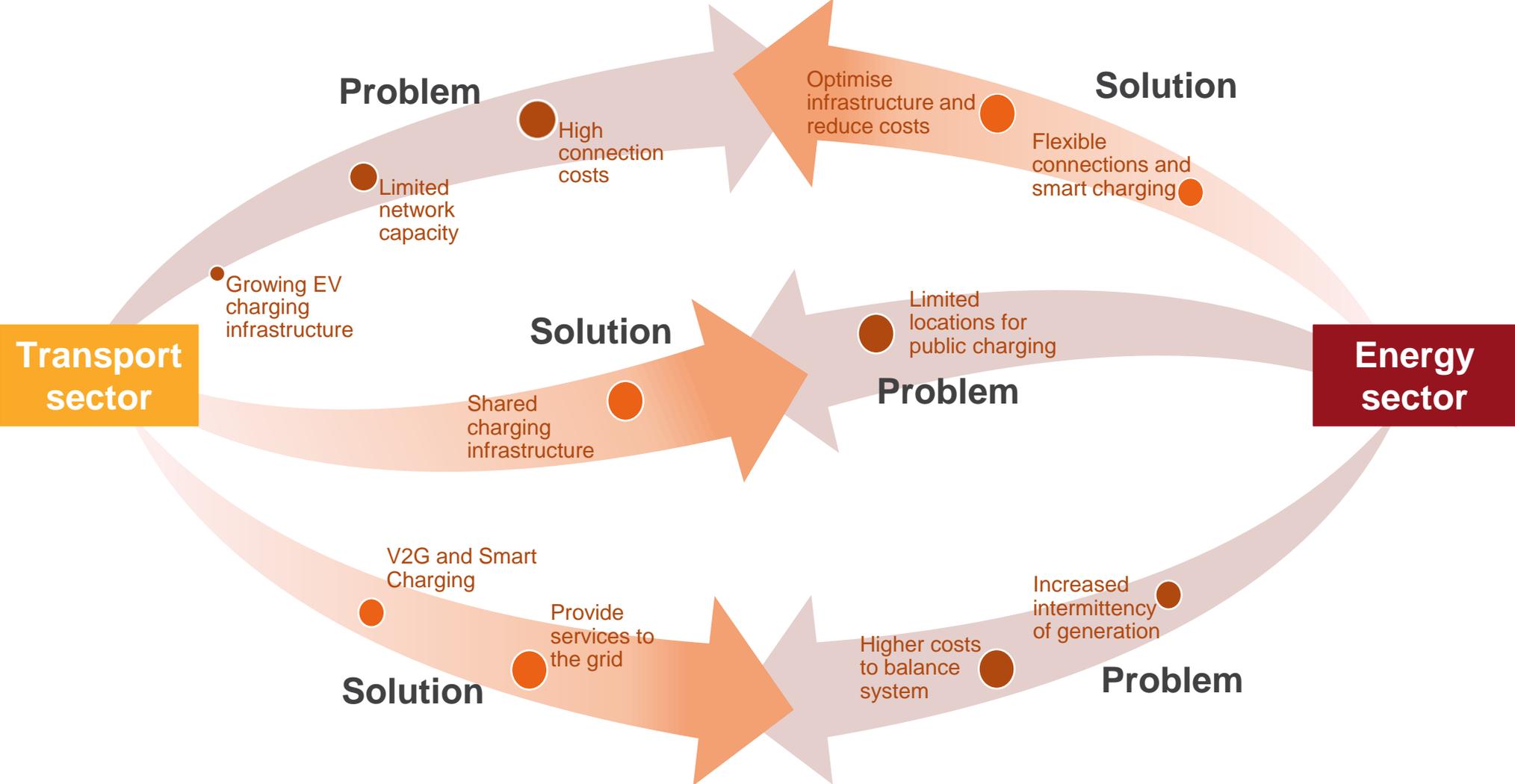
The engineering: Which solutions will be key?

Electrification

The engineering: Why electrification?



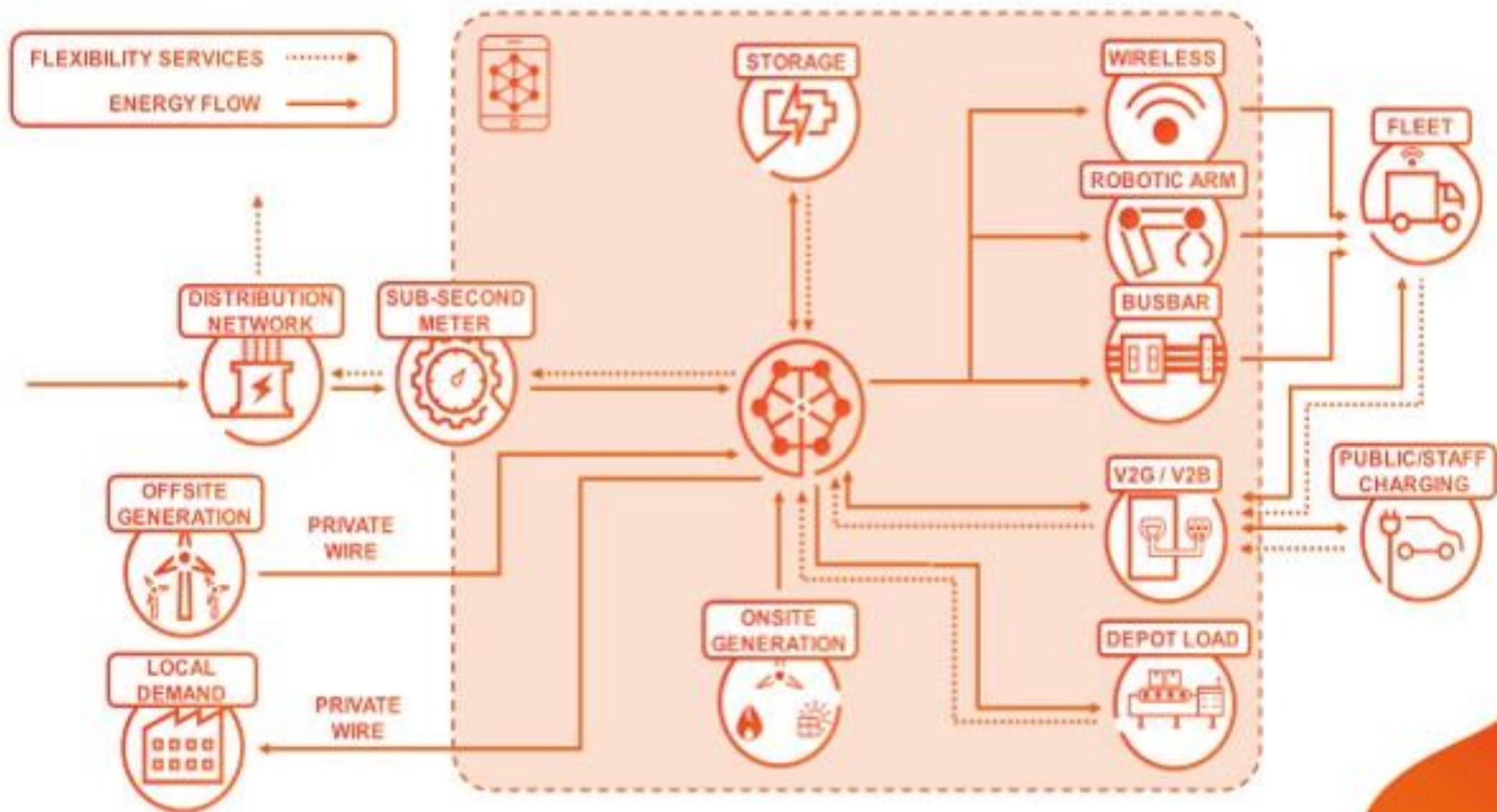
The engineering: Why electrification?



The engineering: Why electrification and how do we do it?



The engineering: How do we do it?



The economics

In London, Electric Trucks
Are Helping UPS Make
'Eco-Friendly' Deliveries



Conclusion

- Sustainable logistics is not easy but it is possible.
- It will take time, money and collaborative commitment from industry, government and civil society to get right.
- But get it right we must

Thank you

www.sustainability.ups.com