**Use case 1. 
Company vehicle: used and housed with employee**

**THE SILVER TELECOMS COMPANY**

The Silver Telecoms Company office is located on the outskirts of London.

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<th>TYPE OF COMPANY:</th>
<th>Telecom/ IT company with 5,000 employees</th>
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Story narrative from the perspective of the procurement manager

1. **The company has a mandate to reduce their fuel costs, emissions produced and ensure reliable and comfortable mobility for its employees.**

2. **They have 500 service staff, who on average travel 100 km per day and use 6 l/100km (140 gCO2/km).**

3. **The Silver Telecoms company owns 500 vehicles and wants an additional 300 new vehicles in 2019-20. Isabelle, their procurement officer wants to evaluate if these new vehicles can be battery electric vehicles – and whether the company should buy or lease them.**

4. **Most employees stay in the suburbs of London, 90% of them never come to the head office. During work hours they drive to customer locations to provide service.**

5. **Isabelle started searching for suitable fit-for-purpose vehicles. Most on the market have a range of over 200km.**

6. **Thanks to the UK plug-in car grant, the upfront capital costs of the vehicles are lower.**

7. **Isabelle and the other internal stakeholders have estimated that the office car park in London would require 30 chargers to accommodate employees commuting to the office as well as service staff who need to charge their vehicles on an ad hoc basis.**

8. **Isabelle goes to speak with Andrew, their facilities manager. He does a feasibility study to evaluate if the grid can handle the additional load of 200kW.**

9. **Andrew, contacts the Distributions System Operators and discusses the upgrade. He needs to involve the site manager, Patrick.**

10. **The company announces a rebate for purchase and installation of an AC home charger to support the implementation of chargers at employees’ homes.**

11. **By monitoring the EV chargers, the company can reimburse employees for home charging. Tom from HR is fundamental in communicating these benefits to employees.**

12. **The company provides employees with a charging card and an app that shows a map of public charging infrastructure. Their smart logistics software also provides location notifications to drivers if they need to charge their car during field visits.**

13. **Isabelle attends the Fleet Electrification Conference where she learns of other companies transitioning their fleets. These companies share their challenges, such as the costs and time required for the DSO to increase distribution capacity into the office to accommodate workplace chargers. When speaking with a representative of a charging network developer, she learns how to address these issues.**

14. **To avoid potential risks related to costs, re-sale value of vehicle assets and rapidly evolving technology, the vehicles are leased via Volt Vehicles, rather than purchased.**

15. **Thirty L2 AC chargers are implemented at the office building by a prominent charge point operator and 300 chargers are deployed at the homes of employees.**

16. **An associate is hired into the team who is responsible for data gathering. They analyze the data and make suggestions to improve the operations of these vehicles for the company and the employees.**

17. **After implementing this transition in London in 2020, the Silver Telecoms company starts to quantify the input and scale to other offices.**

18. **Isabelle now attends the Fleet Electrification conference to share the knowledge she and her company have gained.**

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1. 10% * number of new vehicle acquisitions (90% of staff never come to head office)  
2. 6.6kW*30 chargers