

AEG Mobility & Transportation Challenge

Doug McMahon Managing Director, ENGIE Impact

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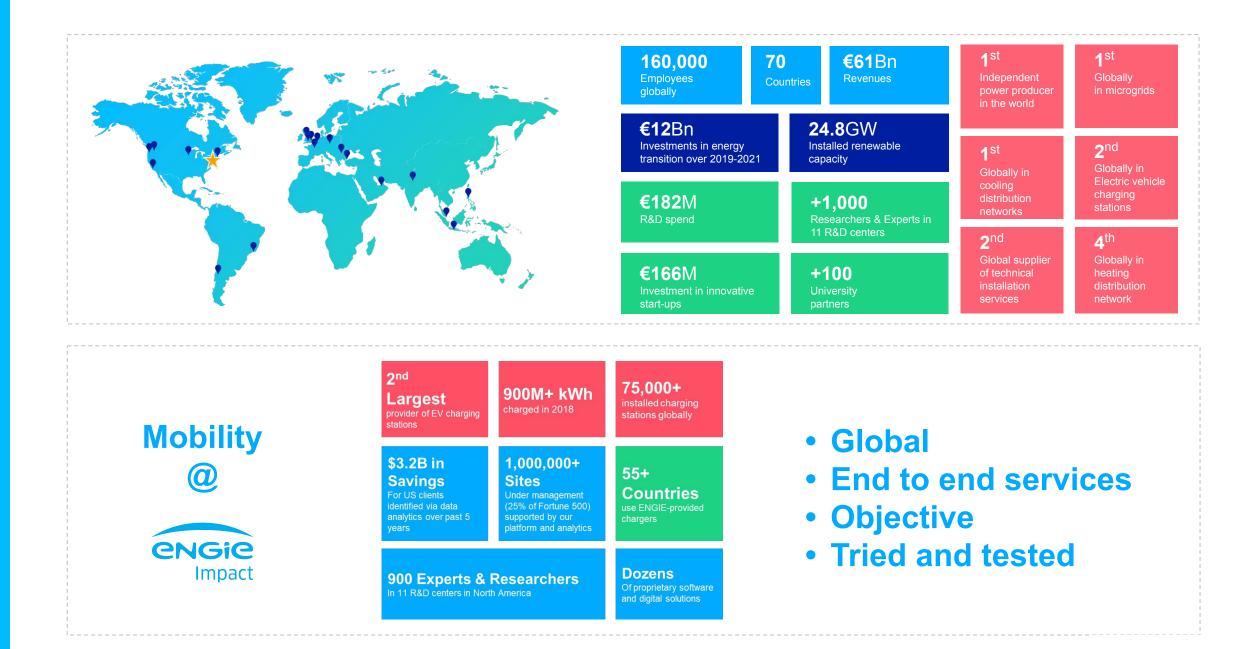
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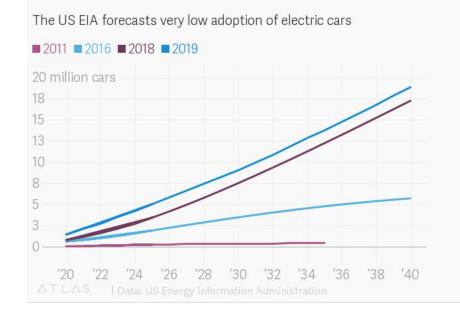
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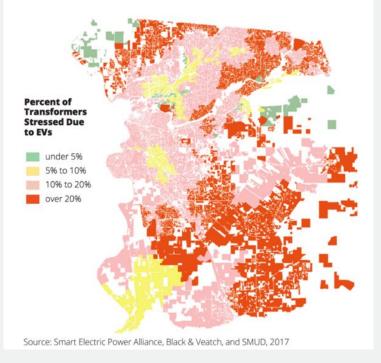
Mass EV adoption is inevitable



- Each year, EV adoption forecasts are upwardly revised
- 13 states followed CA's lead on GHG standards and/or ZEV mandate
- EV is still a developing market despite their current electric power demand may be minute

EVs create major infrastructure opportunities & challenges

FIGURE: EV Impact on Transformers in SMUD Territory Through 2030

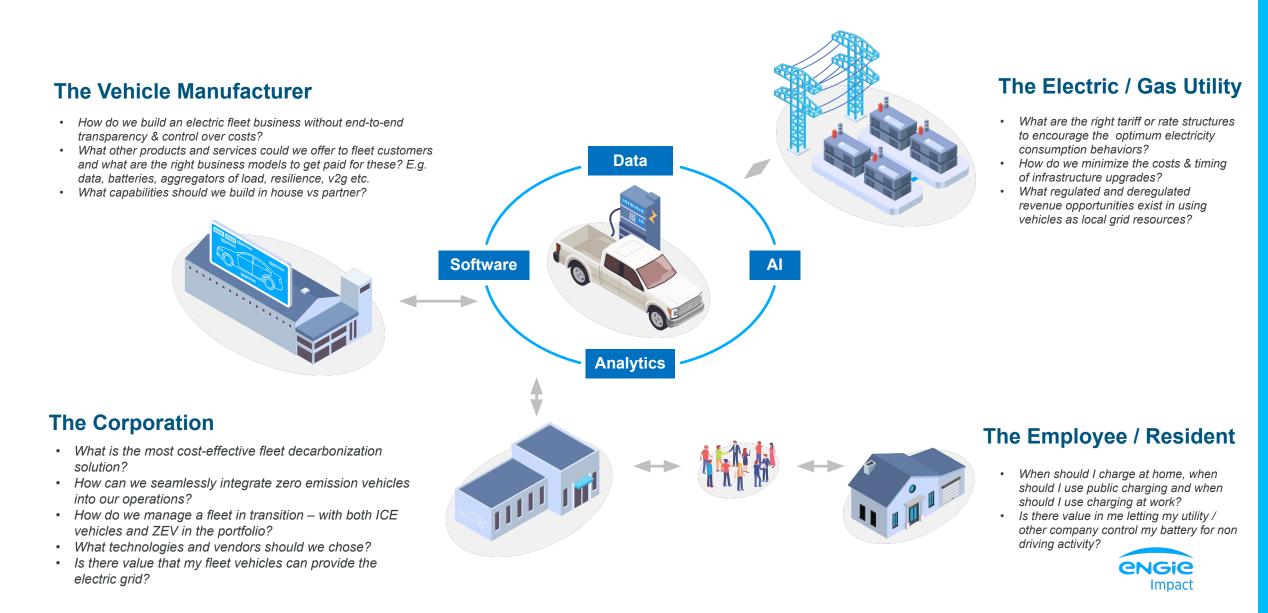




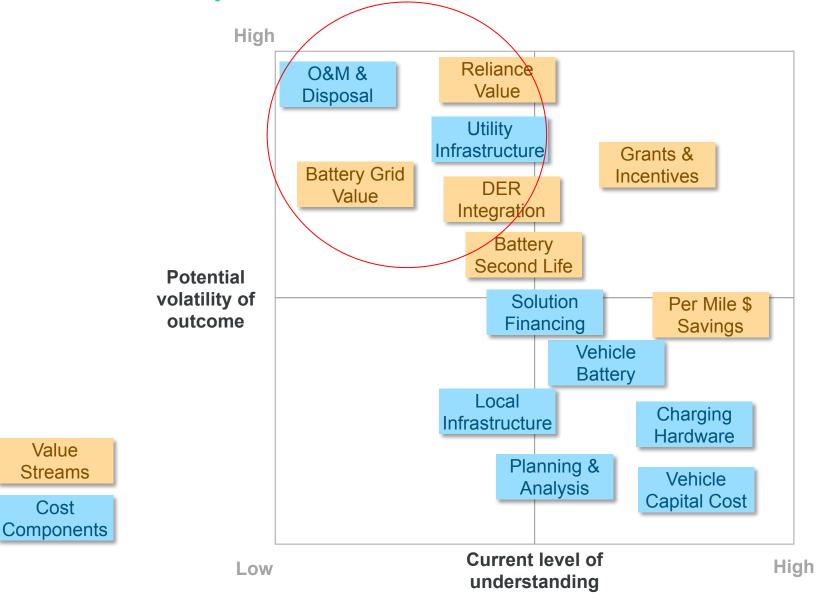
EVs are not dispersed evenly across all territories, as there has already been real-world evidence that they are clustered in particular areas, such as California



The vehicle decarbonization ecosystem is a complex marriage of several sectors



Projecting and managing to an expected total cost of ownership for electric vehicles is complicated





The consequences for not addressing "Total Cost of Ownership" transparency are significant



Slower EV adoption – greater financial risk to the consumer = hesitancy



Inequitable access to clean transportation



Inability to scale solutions and draw out economies of scale



Lack of cost-effective financing options



Regarding Mobility & Transportation, with regard to NYC Carbon & Equity goals, the most critical obstacle to overcome is...

The lack of transparency relating to the total cost of ownership for a vehicle or fleet of vehicles



Thank you!

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