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Electric Vehicle Cities of the Future: A Global Perspective on EV Ecosystems

NSR E-Mobility Meeting, Northumbria University, Newcastle, UK

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Urban Foresight: EV Projects

 Urban Foresight is an action-oriented think tank that develops strategy and projects for smart cities www.urbanforesight.org

EV initiatives run by Urban Foresight:



EV Ecosystems

- Global task force on EV Cities of the Future
- International Energy Agency Hybrid & Electric Vehicle Implementing Agreement

www.evEcosystems.com

Partner in:





E-cosse

www.e-cosse.net

- Partnership between government, industry & other key stakeholders
- Strategy and projects to advance mass adoption of EVs in Scotland

Challenging Preconceptions





This is not a car





Silo thinking on Electric Vehicles

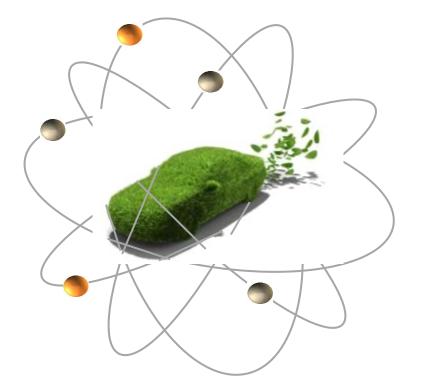


"The Tesla-Toaster Trap"



Electric Vehicle Ecosystems

'Total environments' to support operation of thousands of vehicles



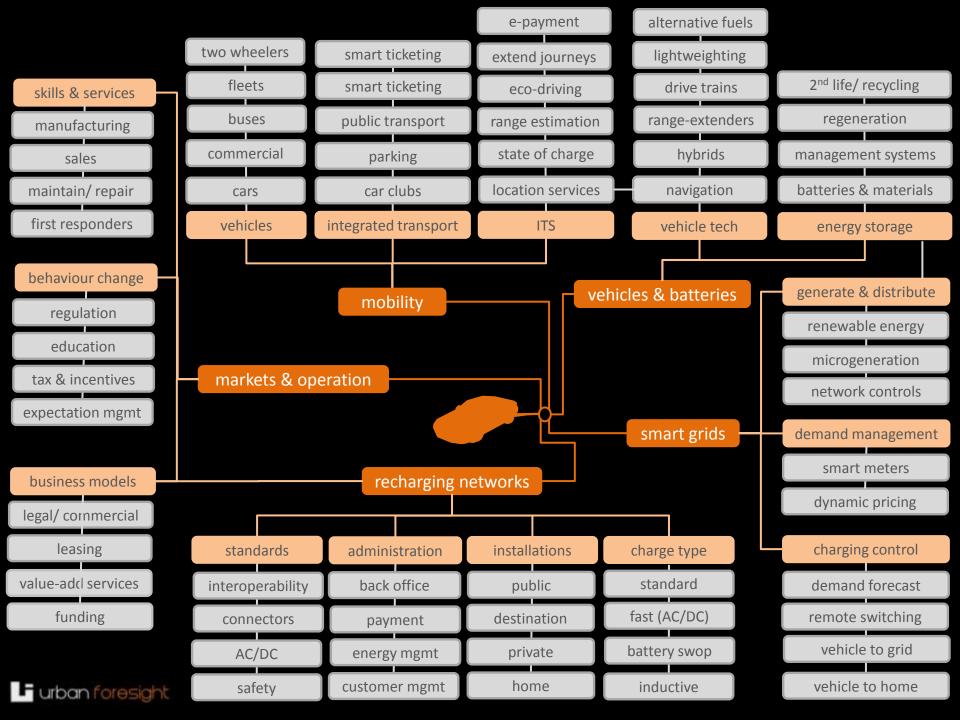
'Hard Infrastructure'

e.g. recharging points, smart grids, buildings, transport systems

Soft Infrastructure'

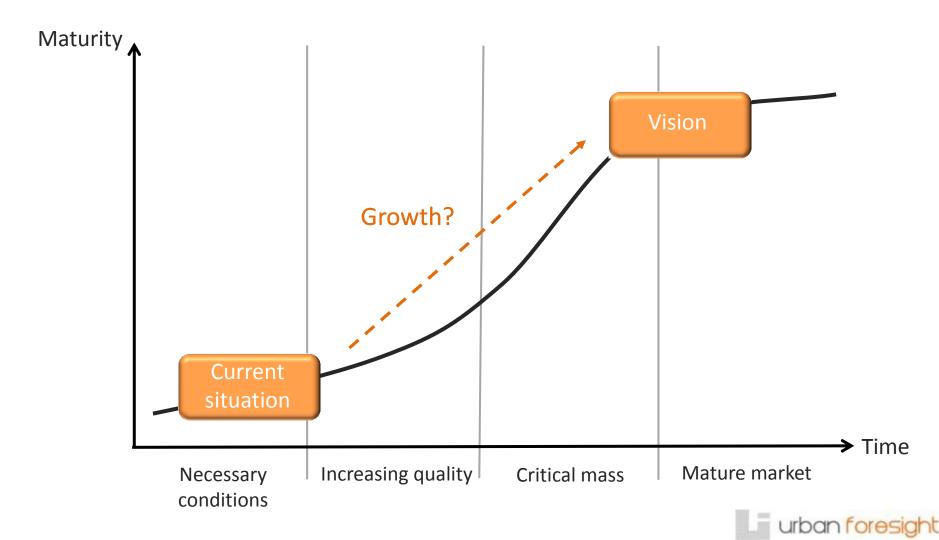
e.g. regulation, business models, incentives, skills, community engagement

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Why This is Important

Creating conditions for mass adoption of electric vehicles



EV Ecosystems: Global Task Force

Task 18 members:





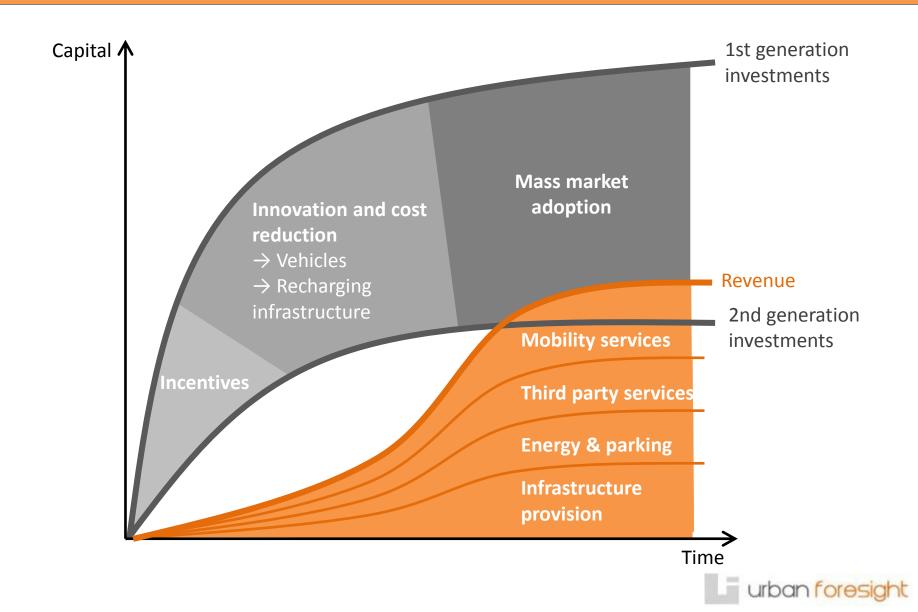


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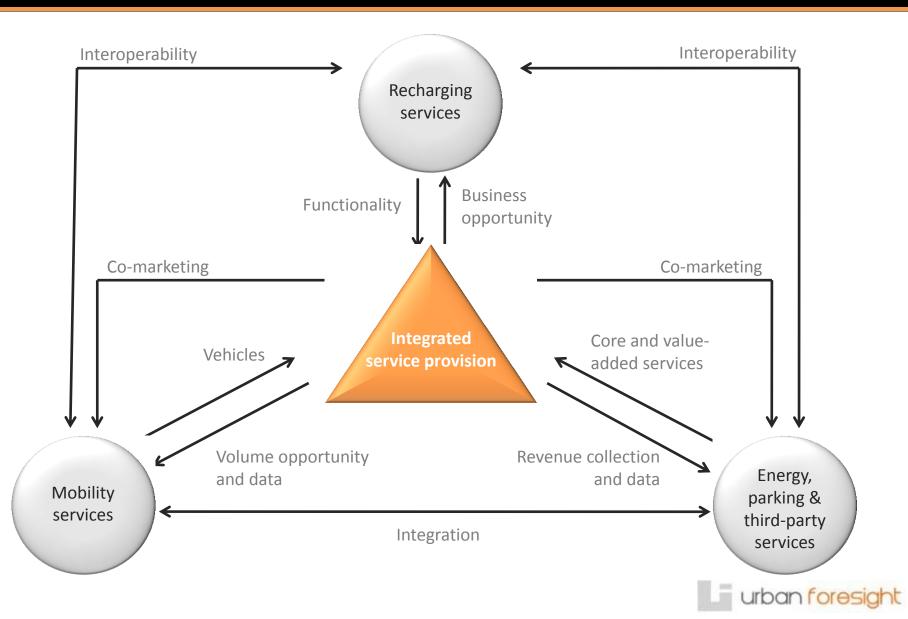


BIG challenges & opportunities

1. Future Business Models

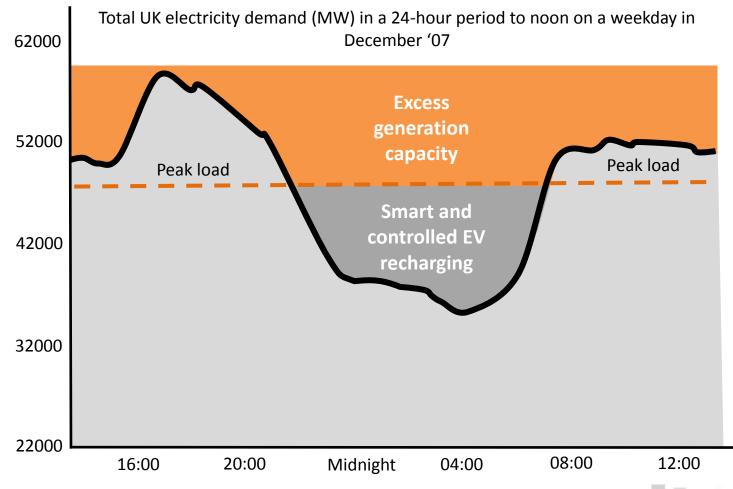


1. Future Business Models



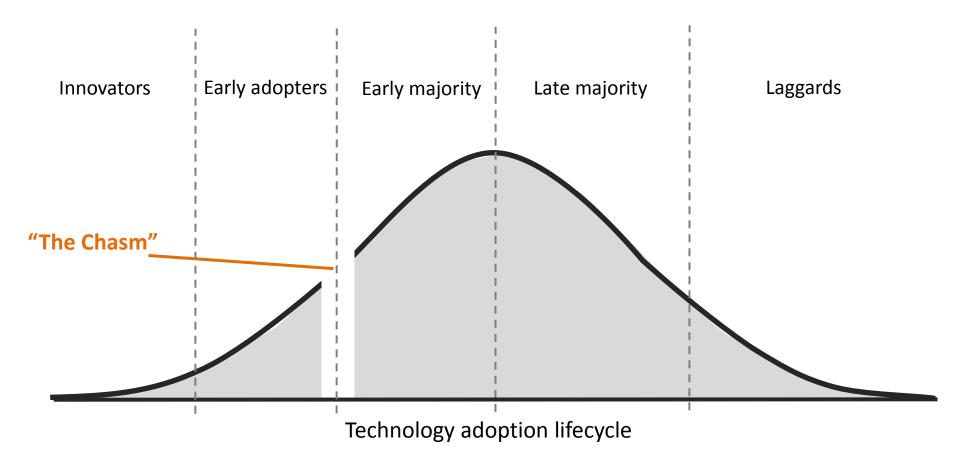
1. Future Business Models

Changing Models of Demand-Supply





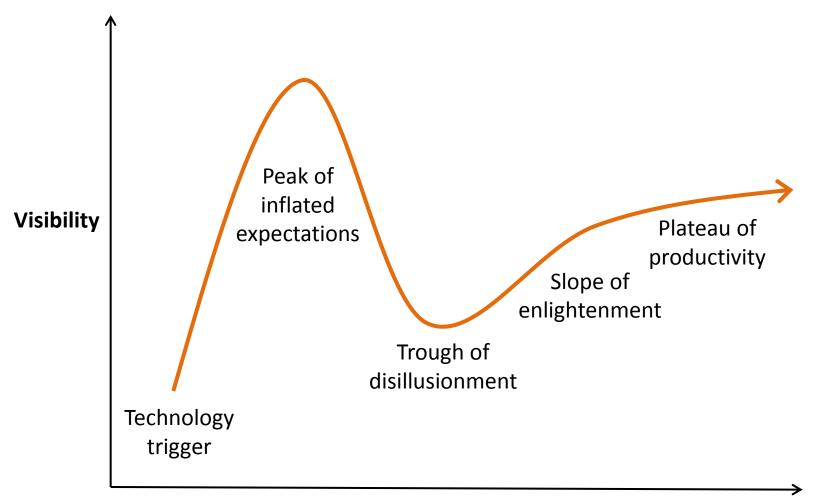
2. Markets and Behaviour Change



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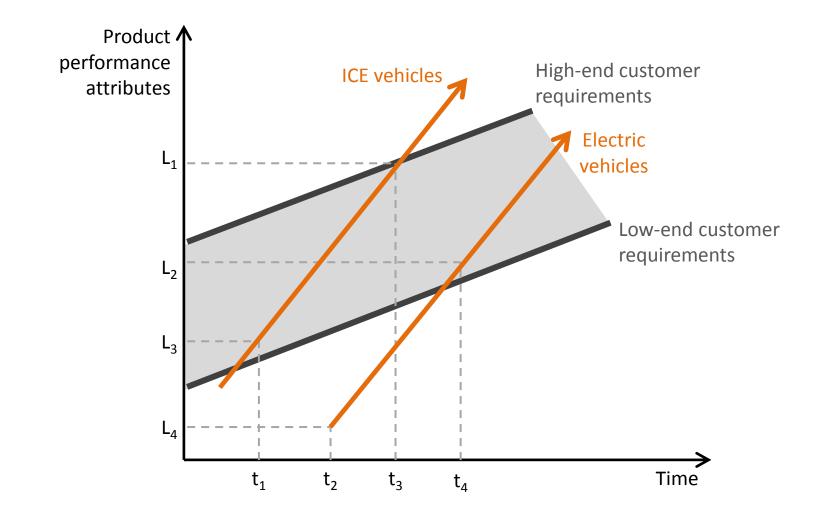
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Gartner's Hype Cycle



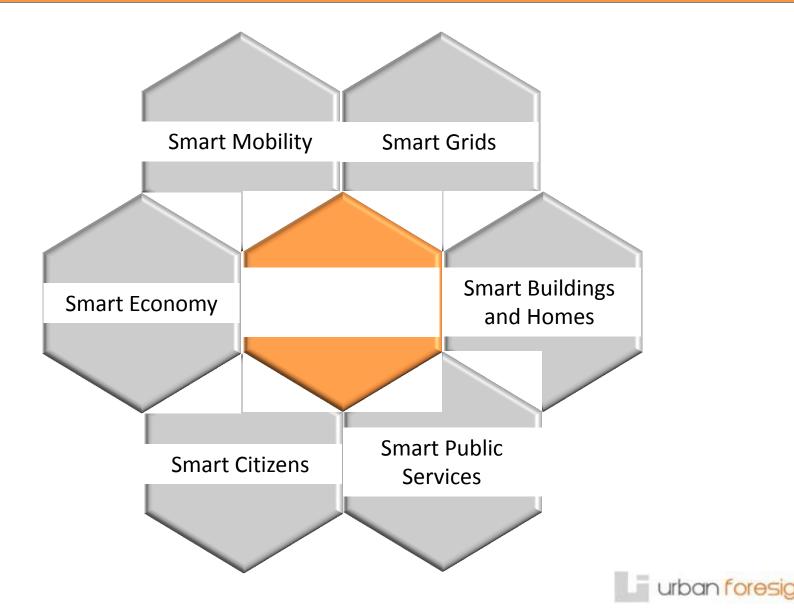
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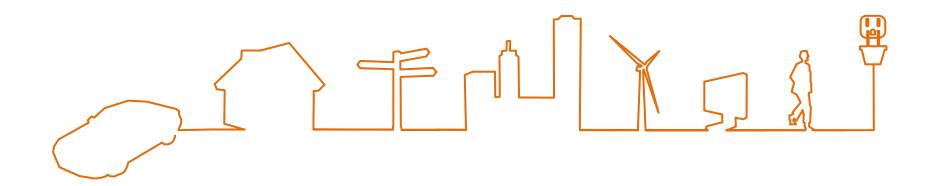


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3. Need a Holistic Vision of EVs in Cities



3. Need a Holistic Vision of EVs in Cities



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This is not a car





thank you

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strategy and solutions for smart cities