

## EV CHARGING INFRASTRUCTURE AC, DC, V1G, V2G – DETAILED AGENDA

7.00 – 7.30 Registration for business breakfast  
7.20 – 8.20 Business breakfast

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**8.30 – 9.20 Focus panel + Q&As (Government, Grid and Utility): How to best charge, aggregate and control the EV load on the grid?**

**Q.**

- Smart solutions for faster and cheaper connection
- Smart solutions for avoiding cost and time for traditional network upgrades
- Where to install, which technology, how to combine slow smart and fast charging points to best meet consumer's immediate needs?
- Competition to smart EV charging from other flexibility assets (competition from batteries directly vs batteries and rapid chargers)
- How flexible should EVs be in the future to accommodate the EVs revolution and what are the market arrangements that need to accompany it?

**Panellists:**

Tom Pakenham, Director of Electric Vehicles, **OVO Energy**

Emma Roberts, Head of EV Smart Energy Policy, **Department for Transport**

Regis Le Drezen, E-mobility Program Office Executive Secretary, **Enedis**

Graeme Cooper, Project Director - Electric Vehicles, **National Grid**

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**9.20 – 9.35 Data Insight Presentation + Q&As: Consumer demand for charging stations**

**Presenter:**

Dr. Giulia Privitera, Low Carbon Technologies Delivery Manager, **UK Power Networks**

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### 9.35 – 10.05 Presentations + Q&As (Vehicle Manufacturers): OEMs views

#### Q.

- How is the EOMs role in public charging space going to evolve?
- Role of smart charging collaborations
- What smart charging technologies do EV manufacturers support – views on current developments and what is coming next?
- Views on commercial electric vehicle availability, competitiveness and capacity
- EV production output forecast and data prediction into 2025-30

#### Presenters:

Matt Shirley, Senior Manager - Electrification & New Mobility, **Renault UK**

Sikai Huang, Head of Charging Infrastructure Strategy, **ARRIVAL**

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10.05 – 10.30 Morning break

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### 10.35 – 11.15 Focus panel + Q&As (Fleet Operator): Commercial fleet charging infrastructure

#### Q.

- Increasing share of EVs for fleet operators
- Getting enough power into site
- Overcoming the cost of connection
- Smart grid and energy storage solution
- Integration of renewable energy solutions
- Total cost of ownership for EV fleets

#### Panellists:

Matthew Dear, Programme & Project Manager – Ultra Low Emission Fleet, **London Fire Brigade**

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David Collins, Senior Project Manager – Reducing Fleet Emissions, Defra Group  
Fleet Services, **Environment Agency**  
Alfonso Martínez, Managing Director, **LeasePlan UK**

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### 11.15 – 12.00 Focus panel + Q&As (Future Technology): Wireless charging infrastructure

#### Q.

- Inductive electric road infrastructure
- Lessons from UK, Sweden and Norway

#### Presenters - panellists:

Andrew Daga, CEO, **Momentum Dynamics**  
Oren Ezer, CEO and Co-founder, **ElectReon**  
Chris Pateman-Jones, CEO, **Connected Kerb**

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### 12.00 – 12.50 Focus panel + Q&As (Public Infrastructure): Public EV charging infrastructure:

#### Q.

- Technologies and applications for public roll out
- Intelligent public charging networks
- Street EV charging - addressing the key issue for EV drivers with no access to off-street parking
- Netherlands model for public charging
- Cost of aggregation

#### Panellists:

Aaron Berry, Deputy Head, Energy and Infrastructure, Office for Low Emission Vehicles, **Department for Transport**

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Zoisa Walton, Director, **Octopus Energy**  
Alex Gilbert, Head of Commercial Energy, **Transport for London**  
Tristan Dodson, Senior Consultant, **Element Energy**

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12.50 – 14.10 Business lunch

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**14.10 – 15.00 Focus panel + Q&As (Rapid Charging Hubs): Rapid charging forecourts**

**Q.**

- Roll-out opportunities
- Business models
- Cost of aggregation
- Smart management through VPP, smart network, V2G and power purchase/sell

**Panellists:**

Bernt A. Bremdal, Professor & Senior Advisor, **UiT & Smart Innovation Norway**  
Laurent DE VROEY, Head of Green Mobility, ENGIE Research, **ENGIE**  
Adrian Keen, Chief Executive Officer, **InstaVolt**  
Matt Allen, Chief Executive Officer, **Pivot Power**

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**15.00 – 15.15 Presentation + Q&As: V2X @ ENEL X**

**Presenter:**

Vincent Schachter, Head of Global Energy Services, e-Mobility, **ENEL X**

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15.15 – 15.30 Afternoon short break

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**15.30 – 16.15 Focus panel + Q&As (Employer Car Parks): Improving the availability for workplace EV charging**

**Q.**

- Existing and future business models
- Understanding the barriers to workplace installations

**Panellists:**

Gary Wallace, Head of Car Parks, **Gatwick Airport**

Hiten Sonpal, Director, Future Mobility Group, **NatWest**

Simon King, Director of Sustainability and Social Value, **Mitie**

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**16.15 – 17.15 Focus panel + Q&As (Investor): How profitable is EV charging space – investor view**

**Q.**

- Who are the big-ticket investors?
- Suitability of charging stations as an infrastructure asset, given the current business model
- Second hand EV batteries infrastructure (behind the meter batteries) – business case and opportunities
- Stackability of different revenue streams
- Commercial opportunities for behind-the-meter local flexibility (arbitrage, back-up power, renewable energy self-consumption)

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**Moderator: Natasha Patel, Director, E-mobility, Baringa Partners**

**Panellists:**

Daniel Lyons, General Manager, Business Development for Electric Mobility, **Shell International**

Julien Touati, Partner, Head of Energy Transition, **Meridiam**

Vincent De Rul, Director of Energy Solutions, **EDF Energy**

Rahul Kumar, Senior Investment Manager, **Cube Infrastructure Managers**

Philip Bazin, Environment Team Manager, **Triodos Bank**

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17.15 – 17.45 End of day break

**End of day**

5th Annual UK Wide  
Infrastructure Investment  
Showcase & Debates

2020