

Optimal Charging: Leaders or Followers

27 March 2024 | The Royal College of Physicians, Regents Park, London

<https://e-vehiclecharginginfra.london>

ARE WE READY TO GO TO NET ZERO?

Timetable

6.00 - 7.30 Exhibitor/Sponsor Setup

7.45 - 8.30 Registration & Networking refreshments

8.30 - 8.45 Organiser and Chair Welcome

Stream 1	Stream 2
8.45 - 9.45 Availability of charging infrastructure	
9.45 - 10.00 London Fire Brigade presentation	9.45 - 10.25 Developer views - chargepoints for new developments
10.00 - 10.50 Infrastructure and power supply for charging EVs. DNO and Transmission operator views.	10.25 - 11.00 Innovative technology workshops
10.50 - 11.00 Presentation on Wireless Charging market developments	
11.00 - 11.15 Accenture presentation	

11.15 - 11.45 Networking refreshment break

11.45 - 12.35 Charging at EV mobility hubs, petrol stations and forecourts	11.45 - 12.35 Views from the NHS
12.35 - 13.20 Addressing the biggest barriers for commercial fleets	12.35 - 13.20 What does best in class infrastructure look like for shopping centres
13.20 - 13.30 Zest presentation	

13.30 - 14.20 Networking Lunch

14.20 - 15.30 Public charging	14.20 - 15.20 Towards Net Zero HGV Fleets
15.30 - 16.25 Industrial charging and the challenges for depot electrification and accessibility to other users	15.20 - 16.20 Integration of vehicle charging with DSR, time-of-use & grid services

16.25 - 16.35 Closing address by Organiser and Chair

16.35 - 17.00 End of day Networking refreshment break

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- 6.00 - 7.30 Exhibitor/Sponsor Setup
7.45 - 8.30 Registration & Networking refreshments
- 8.30 - 8.45 Organiser, Chair and Host Welcome
- 8.45 - 9.45 **Availability of charging infrastructure**
Whilst perception is driven by fast/ultrafast charging unit visibility on petrol station forecourts, in reality, more than 70% is typically done from home/fast charging and less than 5% from fast/ultrafast.
Charge point mapping being a massive driver of all this: what can mapping service providers tell us about fast/ultrafast charging, how it works, and what the key issues are?
What do car manufacturers (OEMs) think of this? Are they going to integrate mapping into their own onboard UIs (or give up on UI and let Apple CarPlay and Android take over the UX)?
What will the world of EV and charging infrastructure look like in 5 years' time? How Government policy and grants in this area are evolving? What are the market trends (incl. consumer behaviour)?
Electricity price volatility and its impact.
- Panel Speakers:
Morna Cannon, Director of Low Carbon Economy, Transport Scotland
Edmund King OBE, President, The AA
Melanie Shufflebotham, Co-Founder and COO, Zap Map
Lisa Brankin, Ford UK Chair and Managing Director of the Ford of Britain and Ireland National Sales Company
Joe Beavis, Deputy Head of OZEV - Electric Vehicles Infrastructure Delivery and Commercial, Department for Transport
James Taylor, Managing Director, Vauxhall Motors
- 9.45 - 10.00 **Presentation by Mark Cottell**, Deputy Assistant Commissioner, London Fire Brigade on fire resilience of EV charging infrastructure and electric vehicles
- 10.00 - 10.50 **Infrastructure and power supply for charging EVs. DNO and Transmission operator views.**
Many businesses are attempting to provide their own charging solutions but is there planned a national network and how will power supply be prioritised? Is there a national strategy for charging and if there isn't one, should there be one?

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How is supply of energy going to match increasing demand and the development of EV hubs across the country.

Panel Speakers:

Paul Lowbridge, Head of Customer Management, Electricity Transmission Customer Connections, National Grid

Liam O’Sullivan, Operations Director, ScottishPower Manweb

Cara Blockley, Head of Distribution System Operations, Electricity North West Limited

David Swadling, Director of Customer Connection Development, Eclipse Power Networks

10.50 - 11.00 **Presentation by Hubert Wolters**, VP Business Development, Europe, WiTricity on Wireless Charging market developments

11.00 - 11.15 **Presentation by Accenture**

9.45 - 10.25 **Stream 2: Developer views - chargepoints for new developments**
*Developers are being asked to provide chargepoints on new developments, but, especially for smaller developers, it’s extremely hard to do this because the market for such chargers is still small and DNOs / ESO are notoriously unresponsive given broader pressures.
 What is being done to address this? Does anyone have a plan?*

Panel Speakers:

Christopher Quirk, Technical Director, Troy Homes

Cameron McKenzie, Sustainability Partner, Peabody

Josie Cadwallader Hughes, Sustainability Director, Thakeham

Kieren Hanlon, Group Procurement Director, Persimmon PLC

10.25 - 11.00 **Stream 2: Innovative technology and charging infrastructure workshops**

11.15 - 11.45 *Networking refreshment break (20 mins)*

11.45 - 12.35 **Charging at EV mobility hubs, petrol stations and forecourts**

It is anticipated that more than 70% of the EV charging growth will be outside the existing retail forecourts. With new sites required to meet the demand and support the EV infrastructure growth

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plans over the next decade we will explore EV charging and convenience hubs and forecourt operator's key questions incl. ROI on EV chargers today, what the stats on revenue per day or week with underlying price and volume (ie average number of charges per week and amount of power sold) mean for businesses. How can we get a fast-charging infrastructure that is equivalent to petrol stations, ie lines of 10-20 chargers every 50 miles on all motorways and major roads?

Panel Speaker:

Eugene Moore, Chief Executive Officer, Applegreen Electric
Patrick Dunne, Director of Group Property, Procurement & EV Ventures, Sainsbury's Supermarkets
Paul Comer, Director of EV Implementation, Roadchef
Andreas Atkins, Country Manager UK & Ireland, IONITY
Alan McCarthy-Wyper, Managing Director - EV and Energy, Moto Hospitality
Tom Hurst, UK Country Manager, Fastned

12.35 - 13.20

Addressing the biggest barriers for commercial fleets

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The case for businesses that run their fleets from a base site out and back in a day. Looking at the cost of the vehicles compared to their diesel equivalent, the electricity infrastructure to charge at site.

Charging infrastructure provision and delivering infrastructure to places with no or limited connection.

Fully funded vs fully managed EV fleet charging, pros and cons, market developments and latest industry lessons.

Energy management.



Panel Speakers:

Patrick Dunne, Director of Group Property, Procurement & EV Ventures, Sainsbury's Supermarkets
Paul Chandler, Deputy Director Net Zero Travel and Transport Team, NHS England
Mike Nakrani, CEO, VEV
Andrew Kirkby, Senior Manager, Sustainability, Openreach
Martin Kochman, VP, European Sustainability Business, Hitachi Digital Services

13.20 - 13.30

Presentation by Robin Heap, CEO, Zest

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11.45 - 12.35

Stream 2: Views from the NHS

*We are looking at how NHS hospitals and trusts Adopting future-proof infrastructure: not requiring disruptive upgrading in the future whilst being flexible enough to facilitate innovation;
Infrastructure installs are designed to minimise the draw on our campus network electricity capacity;
A flexible billing regime allows for a range of players to pay fair and appropriate costs – devolved invoicing to individual hospital departments on business use, plus to staff, patients, visitors, contractors and partner organisations needing to use our charge points (e.g. ambulance service and non-emergency patient transport).*

Panel Speakers:

Paul Reid, Head of Transport and Travel, NHS Greater Glasgow and Clyde

Paul Chandler, Deputy Director Net Zero Travel and Transport Team, NHS England

Tanja Dalle-Muenchmeyer, Acting Associate Director of Sustainability, Guy's and St Thomas' NHS Foundation Trust, King's College Hospital NHS Foundation Trust

George Atkinson, Associate Director of Estates, University Hospitals Dorset NHS Foundation Trust

Chris Jardine, Technical Director, Joju

Toby Butler, Managing Director UK, ubitricity

12.35 - 13.20

Stream 2: What does best in class infrastructure look like for shopping centres and supermarkets

Looking at how mass roll out is being delivered elsewhere, what will the world of EV look like in 5 years' time, innovations within product design and associated services for EV charging.

Panel Speakers:

Daniel Davies, Senior Asset Manager, Ellandi

Jonathan Allan, Head of Technology, Innovation and Research, British Parking Association

Chris Mitchell, Assistant General Manager, Unibail-Rodamco-Westfield Westfield London

Neelum Choudhury, Head of Sustainability, RivingtonHark

Richard Hackforth-Jones, EV Product Director, Sainsbury's Supermarkets

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13.30 - 14.20 *Networking Lunch (50 mins)*

14.20 - 15.30

Public charging

*We are going to hear the views from Chargepoint operators, Councils and commercial fleet industry. Can we bring home tariffs to public charging infrastructure?
How will latest funding announcements from central government accelerate infrastructure roll out?
Is public charging network available, accessible and suitable for commercial fleets?*

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Panel Speakers:

Introducing the Panel Sponsor

Cllr Ian Nellins, Portfolio Holder for Climate Change, The Environment and Transport, Shropshire Council

Denise Beedell, Senior Policy Manager, Logistics UK

Cllr Neil Clarke MBE, Cabinet Member for Transport & Environment, Nottinghamshire County Council

Aaron Berry, Deputy Head, Office for Zero Emission Vehicles (energy and infrastructure), Department for Transport

Joe Baker, Head of Carbon Management, Haringey Council

Robin Heap, CEO, Zest



15.30 - 16.25

Industrial charging and the challenges for depot electrification and accessibility to other users

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We look at heavy duty vehicles being charged off private networks and the emergence and best practices around dual use depots



Panel Speakers:

Matt Greener, Zero Emission Institute Director, Arriva

Philippe Queruau Lamerie, Electrification Services Manager, Veolia UK

Stephen Wood, Country Lead UK and Ireland, Heliox

Tony Cockcroft, Asset Management and Infrastructure Director, Stagecoach Group

Shamala Evans-Gadgil, Senior Programme/Project Manager, Coventry City Council

Mike Nakrani, CEO, VEV

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14.20 - 15.20

Stream 2: Towards Net Zero HGV Fleets

Do we have the required infrastructure in place to support this shift towards electric HGVs?

Can induction or alternative charging model provide timely solution?

What do fleet operators think about electrification and alternative net zero fuels?

Panel Speakers:

Matthew Deer, Managing Director, Swain Group

Toddington Harper, CEO, Gridserve

Dan Myers, Managing Director UK and Ireland, XPO Logistics

Lex Forsyth, CEO, Janus Electric (joining virtually)

Thomas Hooegeven, Vice President, Mobility & Energy, Europe, Prologis

15.20 - 16.20

Stream 2: Integration of vehicle charging with DSR, time-of-use & grid services

Integration is a key area, given the scale of vehicle charging relative to potential DSR and its immediate availability.

Are the markets available for this?

What else connects to these markets?

Should heat pumps be the primary DSR vehicle, given that they are always connected and (particularly at times of high grid stress) highly likely to be on?

Should we even be doing DSR with vehicles, or is this a technical dead end compared with heat pumps?

What are DNO views on this?

What is the National Grid ESO view on this?

Panel Speakers:

Charlotte Johnson, Global head of markets and Chief of Staff, KrakenFlex, Octopus Energy Group

Alex Hart, EV & Storage Manager, Zero Carbon Operations National Grid ESO

Alex Thwaites, Director of EV, OVO Energy

Michael Kenefick, Grid Services Manager, ev.energy

Alastair Martin, Chief Strategy Officer, Flexitricity

Matt Watson, Head of Commercial and Operability, National Grid Electricity Distribution

16.25 - 16.35

Closing address by Organiser, Host and Chair

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16.35 - 17.00

Networking refreshments.

End of Day

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