

Optimal Charging: Leaders or Followers
27 March 2024 | Museum of London, City
<https://e-vehiclecharginginfra.london>

ARE WE READY TO GO TO NET ZERO?

7.00 - 8.00 Exhibitor/Sponsor Setup

7.30 - 8.10 Registration & Networking refreshments

8.10 - 8.20 Organiser and Chair Welcome

Stream 1	Stream 2
8.20 - 9.20 Availability of charging infrastructure	
9.20 - 9.35 Accenture presentation	
9.40 - 9.50 Blink Charging presentation	9.40 - 9.50 London Fire Brigade presentation
9.50 - 10.35 Developer views - chargepoints for new developments	9.50 - 10.35 Infrastructure and power supply for charging EVs. DNO and Transmission operator views.
	10.35 – 11.15 Roundtable workshops
	11.15 - 11.25 Presentation on Wireless Charging market developments
<i>11.25 - 11.45 Networking refreshment break</i>	
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	
<i>13.30 - 14.20 Networking Lunch</i>	
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

Timetable

In Partnership with:



Chaired by:



Sponsored by:



Event Chair and Chair of Stream 2: Glenda Duggan, Managing Director UK Electric Vehicle practice and Utilities Consulting Lead, Accenture

Event co-Chair and Chair of Stream 1: Sanda Tuzlic, Managing Director, Global Connected Energy & eMobility Lead, Accenture

6.30 - 7.45

Exhibitor/Sponsor Setup

7.30 - 8.10

Registration & Networking refreshments

8.10 - 8.20

Stream 1:

Organiser Welcome

Welcome from event Chair:

Glenda Duggan, Managing Director UK Electric Vehicle practice and Utilities Consulting Lead, Accenture

8.20 - 9.20

Stream 1: 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.

Part of the issue here is availability of working public charge points, often forecourt units are "out of order" and there seems to be no visible pressure to ensure they are fixed in a timely manner to serve the public.

How is Govt policy shaping to ensure that public charge points are located every "x miles" on major routes to help alleviate range concerns?

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How is Govt policy addressing the need for available public charging at petrol forecourts / service stations vs the desire for site owners to make profit from selling petrol / diesel?

Moderator: Lauren Ing, UKIA Sustainability Strategy Practice Lead, Accenture

Panel Speakers:

Morna Cannon, Director of Low Carbon Economy, Transport Scotland

Joe Beavis, Deputy Head of OZEV - Electric Vehicles Infrastructure Delivery and Commercial, Department for Transport

Edmund King OBE, President, The AA

Melanie Shufflebotham, Co-Founder and COO, Zap Map

James Taylor, Managing Director, Vauxhall Motors

Dr. Tim Nicklin, Manager, BlueOval™ Charge Network, Ford Motor Company

9.20 - 9.35

Stream 1: Presentation by Accenture: "Breaking 5 universal adoption barriers to fleet electrification: insights from Accenture global fleet survey"

Presenters:

Sanda Tuzlic, Managing Director, Global Connected Energy & eMobility Lead, Accenture

Seán McKnight, Managing Director, Industry & Customer Growth Strategy, Demand-side Energy Transition Lead, Accenture

9.40 - 9.50

Stream 1: Presentation by Blink Charging

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Presenter: Trevor Watt, Head of Public Sector Sales, Blink Charging

blink

9.50 - 10.35

Stream 1: 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?

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Sainsbury's  **Smart Charge**

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 **accenture**

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blink

VEV

ZEST 

TRAVERS
SMITH

eclipse
power
networks 

**Moderator: Michael Fröbel, Cities, Transport & Infrastructure
Industry Lead for Europe, Middle East and Africa, Accenture**

Panel Speakers:

Christopher Quirk, Technical Director, Troy Homes

Cameron McKenzie, Sustainability Partner, Peabody

Kieren Hanlon, Group Procurement Director, Persimmon PLC

John Southern, Head of Product and Strategy, UPOWA

9.40 - 9.50

Stream 2: Presentation by Mark Cottell, Deputy Assistant
Commissioner, London Fire Brigade on fire resilience of EV charging
infrastructure and electric vehicles

9.50 - 10.35

**Stream 2: 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?*

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

*What role do you see flexibility and energy storage playing in helping
to scale and roll out EV charging infrastructure?*

*There has been a lot of focus on the connections process, what are the
other challenges you see impacting your ability as network
operators/iDNOs to delivering and maintaining these charging hubs?*

**Moderator: Glenda Duggan, Managing Director UK Electric Vehicle
practice and Utilities Consulting Lead, Accenture**

Panel Speakers:

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

Sophie Sudworth, Head of Licence Design and Development,
ScottishPower Manweb

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

10.35 - 11.15

Stream 2: Roundtable Workshops from:

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1. Heliox
2. Zest
3. VEV
4. Accenture
5. Blink Charging
6. Eclipse Power

Heliox workshop:

1. **Dual use of infrastructure**

Erik Van Beusekom, Director of Business Development, Heliox Energy

Zest workshops:

1. **An experience exchange to understand the factors that shape EV charger deployments in the private sector that maximise site attraction, maintain site relevance long term, and deliver value.**

An interactive roundtable with Rhys Harrington-Jones, Private Sector Sales Director from Zest who continue to deliver at multiple retail and leisure destinations nationally at scale and pace.

Topics covered in this session will be:

Understanding the charger mix based on current and future site visitor profiles using data as the guide

- How EV charging can be planned to grow in line with your site's development
- Working in Partnership to deliver the best outcome
- How EV charging deployments and partners can support delivering social value
- Understanding RC59 and managing perceived risk
- How PAS 1899 considerations can support visitor attraction

2. **Challenges and lessons learned when delivering public sector EV deployments at scale.**

An interactive roundtable with Louis Field, Public Sector Strategic Partnership Manager from Zest who are delivering one of the most ambitious on-street roll out in the UK with Hackney Borough Council. And the on-street DC roll-out for TfL.

Topics covered in this session will be:

- Working in Partnership to deliver the best outcome
- Incorporating Social Value into your project

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- Understanding right charger right place - (bigger isn't always better)
- Thinking about PAS1899 where possible

VEV workshops:

1. What's blocking you from being 100% EV?

- Is funding your electrification the biggest challenge? What about energy supply? Charging infrastructure? Vehicle supply?
- We'll discuss how to anticipate - and meet - the biggest challenges and bust some myths.

George Hobbs, Data Lead, VEV
Emma Durham, Product Lead, VEV

2. Balancing the Books Through Integrated Solutions

- An EV fleet requires an ecosystem of integrated solutions that must operate seamlessly - we'll discuss how to achieve this.
- We estimate that economies of scale and consolidated costs can reduce transformation spend by up to 15% vs. a disaggregated procurement approach.

Will Evans, VP Finance, VEV
Sam Hoyland, VP Commercial Development, VEV

Accenture workshops:

1. Interoperability - A smoothly functioning chain of activities

Host: Simon Haverkamp, European charging infrastructure technology lead, Accenture
Brief:

- Numerous market participants must work hand in hand with multiple interfaces to enable public charging. This repeatedly leads to errors and hinders the customer experience.
- On this round table some of the market participants can discuss, what are the most common causes of errors and how to counter these issues to bring the charging of electric vehicles to a mature level.

2. EV Flexibility

Host: Hamdi Shishtawi, Europe System Operations and Flexibility Lead for Utilities, Accenture
Brief:

- Energy transition is drastically changing the energy landscape from a centralized, commodity-oriented market to a decentralized and customer-oriented market.

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- This radical shift comes with challenges & opportunities and Energy Flexibility can tackle these challenges and unlock opportunities.

Blink Charging workshops:

1. **Public Sector workshop** led by Trevor Watt, Head of Public Sector Sales, Blink Charging will address:
 - How to electrify your fleet with a depot and home solution
 - Turnkey solution for installing EV chargers - (Consultation, business case for capex/opex costs, grant solutions, procurement, installation, O&M)
2. **NHS and Blue Light sector workshop** led by Matt Nicholls, Senior Business Development Manager, Blink Charging will address:
 - Turnkey solution for installing EV chargers - (Consultation, business case for capex/opex costs, grant solutions, procurement, installation, O&M)
 - Barriers and challenges we have already faced within the sector – (ie building shutdowns when running specialist equipment)

Eclipse Power workshop:

1. **Overcoming challenges to getting connected to the grid workshop** led by Jamie Aspin, Business Development Manager, Eclipse Power, Eclipse Power Networks will address:
 - EVCP installations are time critical. What are the potential stumbling blocks to delivery? Grid Applications, Legals, Streetworks, Communication, Cost, Speed, Flexibility. challenges that in the worst case can stall a project. IDNO's are by nature flexible and can react quickly to customers' demands. We offer innovative design solutions that are unrestricted by the local DNO standards – we look to innovate and encourage innovation and value engineering opportunities. We are often willing to make compromises or concessions on what's ideal and find workable practical solutions that can be considered on a site-specific basis as required.

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11.15 - 11.25 **Stream 2: Presentation by Hubert Wolters, VP Business Development, Europe, WiTricity on Wireless Charging market developments**

11.25 - 11.45 *Networking refreshment break (20 mins)*

11.45 - 12.35 **Stream 1: 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 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?

Moderator: Aditi Naik, Energy and Retail Lead, Accenture Song's Industry & Customer Growth Strategy Practice, Accenture

Panel Speakers:

Patrick Dunne, Director of Group Property, Procurement & EV Ventures, Sainsbury's Supermarkets

Eugene Moore, Chief Executive Officer, Applegreen Electric

Alan McCarthy-Wyper, Managing Director - EV and Energy, Moto Hospitality

Andreas Atkins, Country Manager UK & Ireland, IONITY

12.35 - 13.20 **Stream 1: Addressing the biggest barriers for commercial fleets**

Panel Sponsor



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.

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What about organisations who don't have a large built estate to support onsite charging?

What are the solutions for larger fleet vehicles (i.e. not just cars/vans)?

Moderator: Lauren Ing, UKIA Sustainability Strategy Practice Lead, Accenture

Keynote Panel Address by Mike Nakrani, CEO, VEV

Panel Speakers:

Andrew Kirkby, Head of fleet sustainability and portfolio management, BT Group

Martin Kochman, VP, European Sustainability Business, Hitachi Digital Services

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

Mike Nakrani, CEO, VEV

13.20 - 13.30

Stream 1: Presentation “How does the EV experience impact customer behaviours and why it is important to ensure that the EV network aligns with their expectations” by Paul Ford, Chief Development Officer, Zest

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).

What is the roadmap for electrifying specialist vehicles (ambulances, etc)? Is availability of public charging helping or hindering that progress?

Are you seeing more uptake of EVs compared to alternative sustainable and active transport modes? (cycling / walking etc – other trusts' strategies)

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Moderator: Helen Troup, Health & Public Sector Sustainability Lead, Accenture

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

Phil Hunting, Sustainable Fleet Manager, Guy's & St Thomas NHS Foundation Trust, Guy's and St Thomas' NHS Foundation Trust, King's College Hospital NHS Foundation Trust

Toby Butler, Managing Director UK, ubitricity

David Pickles, Director, Jorro

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.

Moderator: Doug Blyth, UKI Technology Delivery Lead, Accenture

Panel Speakers:

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

Neelum Choudhury, Head of ESG & Partner, Tandem Property Asset Management

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

13.30 - 14.20

Networking Lunch (50 mins)

14.20 - 15.30

Stream 1: 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?

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Is public charging network available, accessible and suitable for commercial fleets?

What mechanisms does govt have to consult the public on EV policy including charging? How do you balance needs of the public and industry partners?

What challenges does Local Government encounter when delivering public charging infra in their authority areas?

Moderator: Helen Troup, Health & Public Sector Sustainability Lead, Accenture

Keynote Panel Address by Paul Ford, Chief Development Officer, Zest

Panel Speakers:

Denise Beedell, Senior Policy Manager, Logistics UK

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

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

Joe Baker, Head of Carbon Management, Haringey Council

Paul Ford, Chief Development Officer, Zest

15.30 - 16.25

Stream 1: Industrial charging and the challenges for depot electrification and accessibility to other users

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

Panel Sponsor

heliox

Moderator: Jan Wohlmuther, Head of Charging Infrastructure Consulting and Services in Europe, Accenture

Keynote Panel Address by Erik Van Beusekom, Director of Business Development, Heliox Energy

Panel Speakers:

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

Philippe Queruau Lamerie, Electrification Services Manager, Veolia UK

Mike Nakrani, CEO, VEV

Matt Greener, Zero Emission Institute Director, Arriva

In Partnership with:

Sainsbury's  Smart Charge

Chaired by:

 **accenture**

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heliox

blink

VEV

ZEST 

TRAVERS SMITH

eclipse power networks 

Erik Van Beusekom, Director of Business Development, Heliox Energy

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?

Moderator: Jan Wohlmuther, Head of Charging Infrastructure Consulting and Services in Europe, Accenture

Panel Speakers:

Matthew Deer, Group 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 Hoogeveen, 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?

Time of use EV tariffs are becoming more common. What do you think the next wave of customer propositions or services will look like?

EVs are still relatively expensive, and so a lot of the research will focus on certain demographics. How do we make sure that all customers benefit from DSR in the long run?

Moderator: Glenda Duggan, Managing Director UK Electric Vehicle practice and Utilities Consulting Lead, Accenture

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Panel Speakers:

Charlotte Johnson, Global Head of Markets and Chief of Staff,
Kraken, Part of 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

Stream 1:

Closing address by Organiser

**Closing address by Event Chair, Glenda Duggan, Managing Director
UK Electric Vehicle practice and Utilities Consulting Lead, Accenture**

16.35 - 17.00

Networking refreshments.

End of Day

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