



Opening Plenary: UK–EU Perspectives on Smart Charging and V2X

Tuesday, 14 April 2026 | 09:00–10:30 | SEE 0.11

This opening plenary sets a shared UK–EU vision for smart charging and V2X at scale, moving from pilots to trusted, everyday deployment.

- What is already working across policy, standards, markets and networks
- What is still blocking trusted everyday deployment
- Where joint UK–EU action is needed next

Moderator and speakers

Vahid Vahidinasab

Professor and Chair in Sustainability
University of Salford

Vahid's work focuses on practical, fair, and scalable solutions that support net zero and community resilience. He brings strategic academic leadership and a strong commitment to turning research into real-world impact.



CHAIR

Katy Mason

PVC Dean of Salford Business School
University of Salford

Katy is a leading scholar and practitioner on moral markets, focused on open, collaborative innovation to design markets that benefit people and planet by reusing resources and protecting planetary boundaries.



PVC-DEAN

Josey Wardle

Innovation Lead - ZEV Infrastructure
Innovate UK

Josey specialises in zero-emission transport infrastructure, with 15 years' EV charging experience. She leads V2X innovation programmes and supports UK-funded maritime and freight decarbonisation projects.



MODERATOR

Gonçalo Mendes

Associate Professor
EU V2X Cluster & LUT

Gonçalo works on stationary and mobile distributed energy resources for system flexibility and stability, focusing on techno-economic analysis, electric mobility, and energy policy. He is the coordinator of the DriVe2X project.



SPEAKER

Patrick Eugster

Project Coordinator
Task 53

Patrick is project coordinator at Task 53. He shares his insights on interoperability of bidirectional charging.



SPEAKER

Alex Gillespie

Senior Policy Advisor
Department for Energy Security and Net Zero (DESNZ)

Alex leads on V2G bidirectional charging policy for the UK Government, responsible for its rollout to accelerate the clean energy transition, reduce energy bills and achieve their ambitious Clean Energy 2030 and Net Zero 2050 missions.



SPEAKER

Raphaël Héliot

Senior Policy Manager
E-Mobility Europe

Raphaël promotes European e-mobility initiatives and participates in European Commission expert groups, leading work on charging infrastructure, EV rollout, bidirectional charging, grid policy, and electric vans and trucks.



SPEAKER

Parallel Session 1. V2X Markets, Aggregators and Revenue Stacking

Tuesday, 14 April 2026 | 11:00–12:30 | SEE 2.01

This session is essential for both the UK and EU, as scaling V2X depends on establishing clear and investable value pathways.

- Market access and product definitions remain fragmented
- Settlement, baselining and data requirements are inconsistent
- Value sharing, risk allocation and tariff integration are unclear
- Who pays, who earns, who carries risk?

Moderator and speakers

Will Maden

CEO

TOGL Energy

Will is Director and co-owner of Miralis Data, a consultancy and software development firm that uses data, algorithms, machine learning and AI to solve business challenges. He has extensive experience in logistics and supply chain, with expertise in statistics, operations management, fleet optimisation and data analysis. He has worked with leading organisations including Europcar, VPS and Routemonkey to improve operational efficiency, planning, modelling and strategic decision-making.



MODERATOR

Denisa Ziu

R&I Technical Manager

Engineering Ingegneria Informatica

Denisa is a researcher and innovation professional with over eight years of experience in the energy sector, with a strong focus on smart grids, demand response, and renewable energy integration. She has contributed to several European research and innovation projects working on advanced solutions for energy flexibility, digitalisation, and grid optimisation. Currently at Engineering Group, she leads the development of flexibility markets within the context of V2X technology, as well as P2P energy marketplaces for energy communities, supporting the evolution of more decentralized and efficient energy systems.



SPEAKER

Laurence Robinson

Senior consultant - Demand side flexibility

LCP Delta

Laurence leads LCP Delta's Flexibility and Hydrogen consultancy team, advising senior energy stakeholders on where and how to invest as systems decarbonise. With over 14 years' experience across innovation, project delivery, and low-carbon technologies, he helps translate complex energy system change into clear commercial insight. The work spans flexibility across demand, supply, storage, hydrogen, and system operation, supporting decisions on asset deployment, business models, market participation, and system design for investors, operators, policymakers, and developers.



SPEAKER



Parallel Session 2. Standards, Communication Protocols, & Interoperability

Tuesday, 14 April 2026 | 11:00–12:30 | SEE 2.11

This session matters for the EU and UK because interoperability is the make-or-break barrier for scaling V2X beyond pilots.

- Conformance testing and certification routes are inconsistent
- ISO 15118-20 is implemented differently across OEMs and chargers
- Multi-vendor integration creates recurring field failures and delays

Moderator and speakers

Baerte de Brey

VP EME

Stedin

Baerte works at Stedin, a Dutch DSO. Responsible for analysing the long-term effect of electric mobility on the electricity grids, Baerte helps to build a sustainable business case around this transition. This includes vehicle2grids, solving regulatory barriers and cybersecurity. He graduated from Leiden University in 2001 with a law degree and received an MBA from Nyenrode Business University in 2006. On behalf of Stedin, he is one of the executive board members of EaadNL.



MODERATOR

Steve Large

CTO

Hangar19 Limited

Steve has been working in EV charging forever. In 2009 he developed Pod Point's home and public charge points. In 2011 he developed the National Chargepoint Registry (NCR) for the Department of Transport; the first National mapping system to locate charge points and propose a solution for roaming. For over a decade Steve has been involved in smart charging and V2X projects. Today, he talks about the regulators role and considerations regarding V2X deployment in the UK.



SPEAKER

Olivier Maridat

CTO

Trialog

Olivier leads technological innovation and heads the Electric Mobility division. A consultant specialized in software and telecom architectures, he focuses on EV charging protocols (ISO 15118, OCPP, V2G, Smart Charging) and grid integration. He also serves as an ISO and IEC expert for international vehicle-to-grid communication standards.



SPEAKER



Parallel Session 3. Regulation, Grid Codes and Connection Approval

Tuesday, 14 April 2026 | 14:00–15:30 | SEE 2.01

Participants will work together to identify the regulatory and grid-code barriers that currently limit progress, clarify the responsibilities of different actors, and shape practical, co-developed recommendations to shorten approval times and reduce delivery risk.

- Unclear and inconsistent connection approval processes
- Role and liability gaps across DNOs/DSOs, OEMs, CPOs and aggregators
- Grid-code requirements that are not yet prepared for routine V2X deployment

Moderator and speakers

Matthew Knight

Principal Technical Specialist

Cenex

Matthew is a principal technical specialist at Cenex, an independent, not-for-profit mission driven consultancy specialising in low and zero emission transport and energy systems. Matt is responsible for managing low-carbon vehicle and infrastructure innovation and demonstration projects. He has a focus on technical standards & regulations, grid integration and electrical systems for V2X, wireless charging, smart charging, energy management systems and other innovation associated with e-mobility infrastructure.



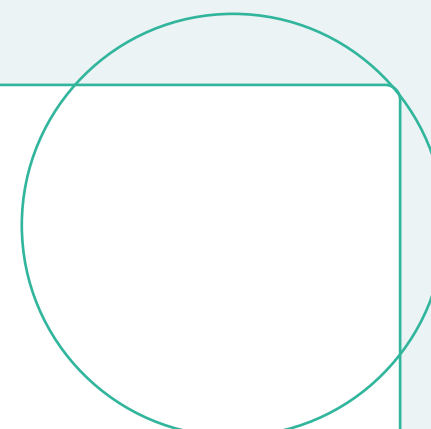
MODERATOR

Marlon McDonald

Engineer

Ofgem

Marlon McDonald is engineer at Ofgem. Marlon speaks about the Regulators role and considerations regarding V2X deployment in the UK.



SPEAKER

Hugo Morais

Senior Researcher

INESC ID

Hugo Morais is a senior researcher at the Portuguese R&D Institute INESC-ID and an Associate Professor at Instituto Superior Técnico, University of Lisbon. He has contributed to over 40 academic and industrial research projects, ranging from national, to French and European funded initiatives. At INESC ID he is the coordinator of four ongoing Horizon Europe projects and is actively involved in the other four. His research primarily focuses on advancing smart grid technologies and tools. He has been actively involved in the development of strategies for electric mobility integration in power systems.



SPEAKER

Parallel Session 4. Place-Based Delivery Models for V2X: Local Authorities and Community Energy

Tuesday, 14 April 2026 | 14:00–15:30 | SEE 2.11

Participants will explore how councils, combined authorities and community groups can work with networks and market actors to design practical delivery models that reflect local needs and priorities.

- Governance models for local delivery across councils, combined authorities and community groups
- Public sector fleets, estates and the development of coherent local energy strategies
- How to align incentives across communities, networks and market actors to enable scalable solutions

Moderator and speakers

Tom Barker

Project Manager

Cybermoor Services Ltd.

Tom is a Project Manager at Cybermoor Services, a social enterprise, specialising in the delivery of innovative, government and Innovate UK-funded programmes within the smart energy and mobility sectors in rural areas.



MODERATOR

Daniel Heery

Director

Charge My Street

Daniel is the founder of Cybermoor and works at the intersection of digital platforms, energy and social enterprise. He is closely involved with Charge My Street, a community-led EV chargepoint operator, which he helped to establish.



SPEAKER

Artur Arnedo

Innovation Manager

ANA Aeroportos de Portugal S.A.

Artur is an Airport Innovation Manager advancing infrastructure, passenger experience, and energy transition. He leads exploration and deployment of electric mobility and V2X solutions within complex airport environments.



SPEAKER

Jess Cook

Head of Foundation

Northern Powergrid Foundation

Jess has over 15 years' experience in regulated industries across delivery, strategy, and policy roles in private and charitable sectors; she champions excellent customer service and drives positive change through strong partnerships.



SPEAKER

Day-1 Closing plenary session: Pilot Evidence and Deployment Readiness, What Works, What Fails, What Scales

Tuesday, 14 April 2026 | 16:00–17:30 | SEE 0.11

We will review technical performance, interoperability, network impacts, customer experience, and commercial outcomes, then identify replication conditions and evidence gaps.

- What works in technical performance, interoperability and network impacts
- What fails, or remains uncertain, in customer experience and commercial outcomes
- What scales, including replication conditions, evidence gaps and priorities for Day 2 recommendations

Moderator and speakers

Josey Wardle

Innovation Lead - ZEV Infrastructure
Innovate UK

Josey specialises in zero-emission transport infrastructure, with 15 years' EV charging experience. She leads V2X innovation programmes and supports UK-funded maritime and freight decarbonisation projects.



MODERATOR

Gonçalo Mendes

Coordinator
DriVe2X

Gonçalo works on stationary and mobile distributed energy resources for system flexibility and stability, focusing on techno-economic analysis, electric mobility, and energy policy. He is the coordinator of the DriVe2X project.



SPEAKER

MaryAnn Chen

CEO
Kaasai Services Limited

Maryann leads Kaasai's work in V2X, fleet electrification and energy optimisation, including Innovate UK-supported projects on bidirectional charging and real-time energy management, operating at the intersection of data, infrastructure and the commercial transition to net zero.



SPEAKER

Hugo Morais

Coordinator
EV4EU

Hugo is the coordinator of four ongoing Horizon Europe projects. His research primarily focuses on advancing smart grid technologies and tools. He is actively involved in the development of strategies for electric mobility integration in power systems.



SPEAKER

Russell Fenner

Managing Director
Revolution9 Consulting

Russell is an experienced consultant working in commercial development and innovation roles in the transport, technology and sustainability markets. Russell started Revolution9 Consulting to help more companies to enjoy the benefits of EVs and innovate in the EV and Energy sectors.



SPEAKER

Baerte de Brey

Coordinator
SCALE

Baerte works at Stedin, a Dutch DSO. Responsible for analysing the long-term effect of electric mobility on the electricity grids, Baerte helps to build a sustainable business case around this transition. This includes V2Gs, solving regulatory barriers and cybersecurity.



SPEAKER



Parallel Session 5. Battery Health, Warranty and Consumer Assurance

Wednesday, 15 April 2026 | 09:00–10:30 | SEE 2.01

Participants will examine the latest evidence on battery degradation, discuss how risk should be communicated, and co-develop practical approaches that make V2X attractive and credible for households and workplaces.

- Battery degradation concerns, emerging evidence and effective ways to communicate risk
- Warranty, insurance and liability barriers affecting consumer confidence

Moderator and speakers

Ville Tikka

Senior Expert

EMRC / LUT University

Ville is a Senior Expert at the Electric Mobility Research Center (EMRC) of LUT University. He is currently overseeing several innovation activities and industry engagements at the center, in addition to managing its technical teams. He is the Vice-Coordinator of the Drive2X project, which is testing bidirectional EV charging technologies and strategies across various countries in Europe. For the past 10 years, Ville has worked for the Laboratory of Electricity Markets and Power Systems of the LUT School of Energy Systems, where he played key roles in national and European research projects on topics of electric mobility, energy storage, and smart grids in general.



MODERATOR

Kim Nebe

Research Associate

ISEA RWTH Aachen University

Kim is a Research Associate and PhD candidate at ISEA, RWTH Aachen University, working in the field of battery grid integration and storage system analysis. Her research focuses on the techno-economic evaluation of virtual power plants (VPPs), with a particular emphasis on electric vehicle integration and vehicle-to-grid (V2G) technologies. Kim holds a Master's degree in Automation and Robotics as well as a Bachelor's degree in Mechanical Engineering from RWTH Aachen University.



SPEAKER

Cameron Brown

Head of Product

ClearWatt

Cameron is a mechanical engineer who spent several years at Imperial College London working in its battery research team, with a focus on thermal management in lithium-ion batteries. He now leads product and engineering at ClearWatt, where he designs and builds tools that make battery health and EV data more transparent, practical and accessible across the wider ecosystem.



SPEAKER

Parallel Session 6. Making V2X Fair, Trusted and Beneficial for All Actors

Wednesday, 15 April 2026 | 09:00–10:30 | SEE 2.11

Participants will explore the barriers facing households and fleets, consider how inclusion and protection can be strengthened, and co-develop approaches that present V2X as credible, fair and beneficial for all actors.

- Fairness, inclusion and consumer protection in V2X participation
- Trust and adoption barriers across households and fleets
- How to communicate public value, resilience and local benefits credibly

Moderator and speakers

Andrew Winder

Senior Activities Manager

ERTICO

Andrew Winder is a Senior Project Manager at ERTICO – ITS Europe with 13 years' experience delivering EU projects on green and urban mobility, including electrification, multimodality, and connected transport. He began at Transport for Greater Manchester and later worked in UK and French consultancies on ITS, road, and public transport. He currently coordinates ePowerMove within the EU 2Zero V2X cluster and contributes to eBRT2030 and support actions for ERTRAC and 2Zero.



MODERATOR

Jona Ramadani

V2G/V2G Programme Manager

Octopus Energy Group

Jona Ramadani is V2G/V2G Programme Manager in the Global Flexibility Team at Octopus Energy Group. Her government career includes leading the Flexibility Innovation Programme at the Department for Energy Security and Net Zero, where she delivered the flagship V2G & V2X and the Interoperable Demand Side Response programme.



SPEAKER

Niccolò Belluati

Senior Business Innovation Officer

ICONS

Niccolò Belluati has a MSc in Economics and Management of Governments, International Organizations and NGOs from the Bocconi University, Milan. He has a professional background in research and data analysis in the healthcare sector with experiences in academic research and consulting firms. He gained experience in business operations reengineering for the energy sector in a leading consulting firm. He joined ICONS in 2021 responsible for exploitation and dissemination activities for various EU-Funded projects.



SPEAKER

Parallel Session 7. Integrating V2X into Local Energy Systems and Network Operations

Wednesday, 15 April 2026 | 11:00–12:30 | SEE 2.01

Participants will explore the technical and operational constraints that shape hosting capacity, consider how smart charging and bidirectional dispatch can be coordinated effectively, and co-develop insights on integrating V2X with microgrids, solar and storage to support resilience and local energy optimisation.

- Hosting capacity, local network constraints and the operational impacts of V2X
- Smart charging versus bidirectional dispatch and coordination with site controllers
- Microgrids, solar integration and resilience use cases

Moderator and speakers

Hugo Morais

Senior Researcher

INESC ID

Hugo Morais is a senior researcher at the Portuguese R&D Institute INESC-ID and an Associate Professor at Instituto Superior Técnico, University of Lisbon. He has contributed to over 40 academic and industrial research projects, ranging from national, to French and European funded initiatives. At INESC ID he is the coordinator of four ongoing Horizon Europe projects and is actively involved in the other four. His research primarily focuses on advancing smart grid technologies and tools. He has been actively involved in the development of strategies for electric mobility integration in power systems.



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SPEAKER

Keith Evans

DSO Technical Lead

SP Energy Networks

Keith has over 16 years' experience in electricity distribution, specialising in low-carbon technology integration. As DSO Technical Lead at SP Electricity North West, he supports the transition to Distribution System Operation, enhancing network flexibility, transparency, and stakeholder engagement. He works with local authorities, community energy groups, and policymakers to enable decarbonisation projects. Previously, he was a network designer delivering connections and reinforcement plans from 230V to 132kV. He has contributed at national level to policy development for low-carbon connections and co-led the implementation of SPEN's Active Network Management system into business-as-usual operations in 2025.



SPEAKER

Parallel Session 8. V2X for Fleets, Depots and Heavy-Duty Transport

Wednesday, 15 April 2026 | 11:00–12:30 | SEE 2.11

Operational constraints, charging architecture options, and the conditions required for fleets to participate reliably in flexibility markets while maintaining service levels will be explored.

- Depot operations, dwell time and fleet optimisation constraints
- Megawatt charging, wired versus wireless solutions, AC versus DC, safety and accessibility
- How fleets can participate in flexibility markets while meeting operational and service requirements

Moderator and speakers

Alan Walker

Director
Syselek

Alan is an experienced Director with multi-disciplinary business leadership in advanced tech industry. With 20 years' experience in applied electronic systems engineering, he has worked with many automotive companies (large, SMEs and start-ups); OEMs, suppliers and technology developers



MODERATOR

MaryAnn Chen

CEO
Kaasai

Maryann leads Kaasai's work in V2X, fleet electrification and energy optimisation, including Innovate UK-supported projects on bidirectional charging and real-time energy management, operating at the intersection of data, infrastructure and the commercial transition to net zero.



SPEAKER

Steve Large

CTO
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Steve developed Pod Point's home and public charge points. He also developed the National Chargepoint Registry (NCR) for the Department of Transport; the first National mapping system to locate charge points and propose a solution for roaming.



SPEAKER

Joan Carles Artigau

Innovation & Heavy Duty Project Manager
IDIADA

Joan Carles leads projects focused on electric heavy-duty vehicle (eHDV) innovation and has been instrumental in developing comprehensive testing methodologies for charging infrastructure. His work bridges the gap between theoretical charging capabilities and actual user experiences.



SPEAKER

Parallel Session 9. Buildings, Homes and Heat: V2H, V2B and Resilience

Wednesday, 15 April 2026 | 14:00–15:30 | SEE 2.01

Participants will examine practical pathways for V2H and V2B deployment.

- V2H and V2B pathways and integration with building controls and microgrids
- Resilience, self-consumption and customer value beyond grid services

Moderator and speakers

Steve Carroll

Head of Research and Technical Services

Cenex

Steve leads a team responsible for investigating the feasibility of new transport and energy infrastructure technologies and developing implementation decision-making tools. With over 25 years of experience working across the automotive, power generation, renewable energy, and sustainable transport industries, Steve uses his experience to lead research and projects focused on accelerating the shift to net-zero transport systems and addressing market barriers. Steve holds a BEng in Automotive Manufacturing and an MSc in Renewable Energy Systems Technology.



MODERATOR

Mark Pagett

Senior Engineer

Nissan Technician Centre Europe

Mark Pagett is a Senior Engineer at Nissan Motor Corporation, specialising in intelligent power and advanced vehicle technologies. He has a background in materials engineering and works at Nissan Technical Centre Europe, contributing to innovation in electrified mobility systems.



SPEAKER

Tom Barker

Project Manager

Cybermoor Services Ltd.

Tom is an experienced Project Manager at Cybermoor Services, with a strong track record of managing complex, multi-stakeholder projects focused on V2X, electric vehicle infrastructure, and integrated energy systems across the UK, with particular experience delivering disruptive technologies in rural areas, including smart EV charging, V2X systems, and 5G-enabled connectivity. Combining strong organisational capability with a deep understanding of interconnected technology ecosystems, he delivers projects that integrate EV charging, bidirectional energy flows, and digital connectivity.



SPEAKER



Parallel Session 10. Hardware, Power Electronics & Charger Architecture

Wednesday, 15 April 2026 | 14:00–15:30 | SEE 2.11

Participants will examine the cost, efficiency and manufacturability pathways for bidirectional chargers.

- Cost, efficiency and manufacturability pathways for bidirectional chargers
- Architecture choices, including AC versus DC, CCS versus CHAdeMO, modular hubs and megawatt-level readiness
- How hardware constraints affect interoperability, cyber posture and business models

Moderator and speakers

Corneliu Barbu

Professor

Aarhus University

Corneliu has been a Professor in the Electrical and Computer Engineering Department at Aarhus University since 2016. Before this, he held technical and leadership roles at General Electric in the United States and Siemens and Vestas in Denmark. His research interests lie in control for power electronics, integrated energy systems, wind energy, and energy storage applications. He is currently coordinating and participating in several European projects to develop energy storage systems for grid and e-mobility applications, as well as microgrid installations in Africa.



MODERATOR

Paulo Cruz

CEO

Eavy Charging

Paulo is co-founder and CEO of Eavy Charging. He drives hardware innovation alongside business development, marketing, and financial strategy. A power systems electrical engineer with over 30 years of experience in the energy sector, Paulo has worked across operations, planning, and sales. After earning his MBA from the European School of Management and Technology in Berlin, he expanded into strategy and business development roles across industries, including certification and intralogistics, bringing a broad, cross-sector perspective to innovation in energy and mobility.



SPEAKER

Xiongwei Liu

Managing Director

Entrust Microgrid Ltd

Xiongwei is the Founder of Entrust Microgrid, with 40 years academic and industrial experiences in the UK, Germany and China. Before Entrust, he was Professor of Sustainable Engineering at University of Cumbria, and Professor of Energy and Power Management at University of Central Lancashire. Currently he is a Visiting Professor at University of Huddersfield. Xiongwei is the inventor of Entrust Smart hybrid DC- and AC-networked Microgrid, Entrust Smart DC/DC EV Charging Systems and Entrust Smart Energy Management System with four core patents and innovative EnSmart products and system solutions.



SPEAKER

Day-2 Closing plenary session: UK–EU Roadmap and Joint Action Plans

Wednesday, 15 April 2026 | 16:00–17:30 | SEE 2.03/2.04

The common priorities across standards, evidence needs, regulation and scaling support, and work towards a set of joint actions for governments, regulators, system operators and funders will be discussed.

- Shared UK–EU priorities for standards, evidence, regulation and scaling support
- Joint asks for policy makers, regulators, system operators and funders

Moderator and speakers

Vahid Vahidinasab

Professor and Chair in Sustainability
University of Salford

Vahid's work focuses on practical, fair, and scalable solutions that support net zero and community resilience. He brings strategic academic leadership and a strong commitment to turning research into real-world impact.



CHAIR

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Department for Energy Security and
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SPEAKER