

Net Zero Transition: E-mobility

Learning and development objectives:

- The latest on transport decarbonisation policy and progress
- The fundamentals of the EV sector
- Key interactions with the electricity networks
- How smart charging solutions are progressing
- Realising value in the energy retail sector
- The key opportunities and challenges for EV charging infrastructure

Session 1 – The EV landscape and charging infrastructure

	Introduction & welcome
10 am	<ul style="list-style-type: none"> • Tech check! • Aim and objectives
	Introducing the EV Space
Module 1	<ul style="list-style-type: none"> • GB Energy market overview • Decarbonising transport • Fundamentals of the EV sector • Market players and their roles
	Break
	Network implications
Module 2	<ul style="list-style-type: none"> • Fundamentals of the electricity networks • Implications of unmanaged EV charging <ul style="list-style-type: none"> ○ Peak demand and network costs • Smart charging as a solution <ul style="list-style-type: none"> ○ Benefits and approaches taken • Electricity sector policy
11.45	Q&A
12.00	What we will cover off in future sessions and close

Session 2 – Retail market value and charging infrastructure investment

	Introduction & welcome
10 am	<ul style="list-style-type: none"> • Tech check! • Aim and objectives
	Value in the retail sector
Module 3	<ul style="list-style-type: none"> • Overview of key retail market trends • Commercial propositions and investment in the charging value chain

- Domestic energy market
- Commercial energy services
- Public charging
 - Destination and on route offerings
- Opportunities for V2G

Break

Investment in charging infrastructure

- EV charge points as an infrastructure class
 - EVSE: an infrastructure asset class?
 - EVSE's key challenges
- Financing EV Charging infrastructure in the UK
- Investment focus

Module 4

11.45 Q&A

12.00 What we will cover off in future sessions and close

Session 3 – Markets, end-users and future directions

Introduction & welcome

- 10 am ● Tech check!
- Aim and objectives

Markets and end users

- Automotive developments
 - Vehicle sales and trajectory
 - OEM strategy and investment
- Module 5 ● Fleet update
 - Fleets as an end user
 - Drivers for fleet EV uptake
- Private consumers
 - Cost parity and the second hand market
- Case study Norway

Break

Future Directions

- National Grid Future Energy Scenarios
- Module 6 ● Customer and system facing developments
 - Forward looking charges
- Mobility trends and CAVs
- Alternative fuels

11.45 Q&A

12.00 Close and next steps (plenary session)