

# 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 sector
- How smart charging solutions are progressing
- The key opportunities and challenges for EV charging infrastructure

## Session 1 – Introducing the sector and decarbonising vehicles

### Introduction & welcome

- 10 am
- Tech check!
  - Aim and objectives

### Introducing the EV Space

#### Module 1

- GB Energy market overview
- Decarbonising transport
- Progress on the road to decarbonisation
- Key policies

### Break

### From petrol and diesel to electric

- Module  
2
- Making the switch – vehicle cost and range
  - Automotive OEM strategy and investment
  - Transitioning fleets
  - Vans and freight
  - The second hand market

### 11.45 Q&A

### 12.00 What we will cover off in day 2

## Session 2 – The charging infrastructure rollout

### Introduction & welcome

- 10 am
- Tech check!
  - Aim and objectives

### Charging opportunities and challenges

#### Module 3

- Charging infrastructure use – current and future
  - At home, work, destinations and on route

- Progress and challenges in the rollout
- Funding the charge point rollout

## Break

### Smarter charging

#### Module 4

- Implications of unmanaged EV charging
  - Peak demand and network costs
- Smart charging as a solution
- Opportunities for V2G
- Smart charging and co-location for businesses

#### 11.45 Q&A

#### 12.00 Course ends