

E-mobility Support and Investment Platform for Asia & Pacific Webinar Series

Introduction to E-Mobility

Wednesday 20th September

Speaker: Conrad Richardson

International Technical Advisor

Conrad provided an overview of the fundamentals of electric vehicles, including batteries and charging, and discussed considerations for the electrification of different transport modes, such as 2/3-wheelers and buses.



Key Insights:

- Electric vehicles play a critical role in decarbonising transport. Electrification should be combined with other tools from the Avoid-Shift-Improve framework, such as promoting public transport.
- A pragmatic approach should be taken to the electrification of private electric vehicles. Light electric vehicles can form part of that solution, especially on the first/last mile and for cities with high levels of combustion engine, two-wheeler adoption.
- A 'dirty' grid is not an excuse to postpone e-mobility adoption – we can decarbonise the energy system and transport simultaneously.
- Electric vehicles will exacerbate the existing challenges of battery recycling. Significant investment is needed to scale up the end-of-life management of batteries.

