

## Scaling Up EV Adoption: Is the Grid Ready for the Surge?

This will form the back of the presentation prior detailing the global evolution of the smart grid and what capacity will be needed to address the new connections. The following questions will be considered:

1. What are the current limitations of our electric grid in accommodating the growing demand from electric vehicles, and how can these be addressed?
2. How can advancements in battery storage technology contribute to better grid management and support increased EV adoption?
3. What role do renewable energy sources play in ensuring that the grid remains sustainable and reliable as EV usage rises?
4. How can public policy and government incentives help accelerate the necessary infrastructure development for EV charging stations?
5. What are the potential challenges and solutions related to peak demand times when many EVs are charging simultaneously?
6. How can smart grid technologies enhance grid resilience and efficiency in the context of rising electric vehicle adoption?