

Pierre-Louis DARDENNE

Panel Discussion "Scaling Up EV Adoption: Is the Grid Ready for the Surge?"

As electric vehicle (EV) adoption accelerates globally, the readiness of our power grids becomes a critical concern. Representing Schneider Electric, I will explore how digital innovation, decentralized energy resources, and smart grid technologies can enable a resilient and scalable energy infrastructure. The discussion will highlight the importance of grid modernization—leveraging real-time data, AI-driven energy management, and demand-response systems to balance load and ensure stability. I will also address the role of microgrids, vehicle-to-grid (V2G) integration, and renewable energy in supporting EV growth sustainably. Collaboration between utilities, policymakers, and technology providers is essential to align infrastructure investments with EV deployment. Schneider Electric's commitment to electrification, sustainability, and digital transformation positions us to lead this transition. Together, we can ensure the grid not only withstands the EV surge but thrives in a cleaner, smarter energy future.