

Session Title: Energy System Integration

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Abstract title: VGI technology, turning EVs in a resource for the European power grid

This presentation will focus on vehicle-grid-integrated (VGI) technologies applied to the e-mobility sector in Europe: from the largest Vehicle-to-Grid (V2G) project in the world with Stellantis (Turin, Italy) to Project Atlante, the first public fastcharging network enabled by renewables, energy storage and 100% grid integrated. Atlante network will operate in microgrid set-up and will allow EV drivers to recharge in less than 15 minutes in public charging stations while helping, at the same time, to stabilize the national grid and increase the renewables penetration. This will show us the future of e-mobility in the context of the European and global quest to reach zero-emission transports and carbon neutrality while balancing the electricity system.