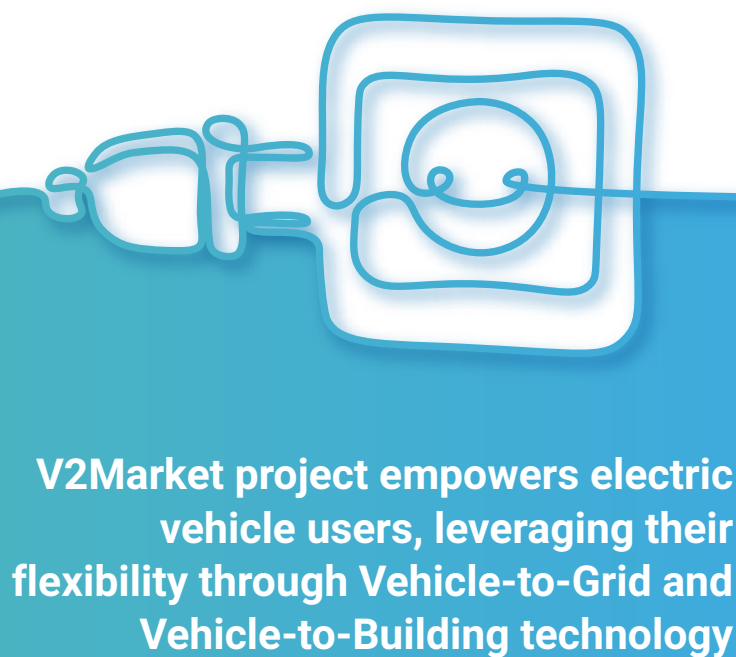


V2MARKET



V2Market project empowers electric vehicle users, leveraging their flexibility through Vehicle-to-Grid and Vehicle-to-Building technology



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AMB Autoritat Metropolitana de Barcelona

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ecoserveis



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IDAIE

NUVE

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smartEn Smart Energy Europe

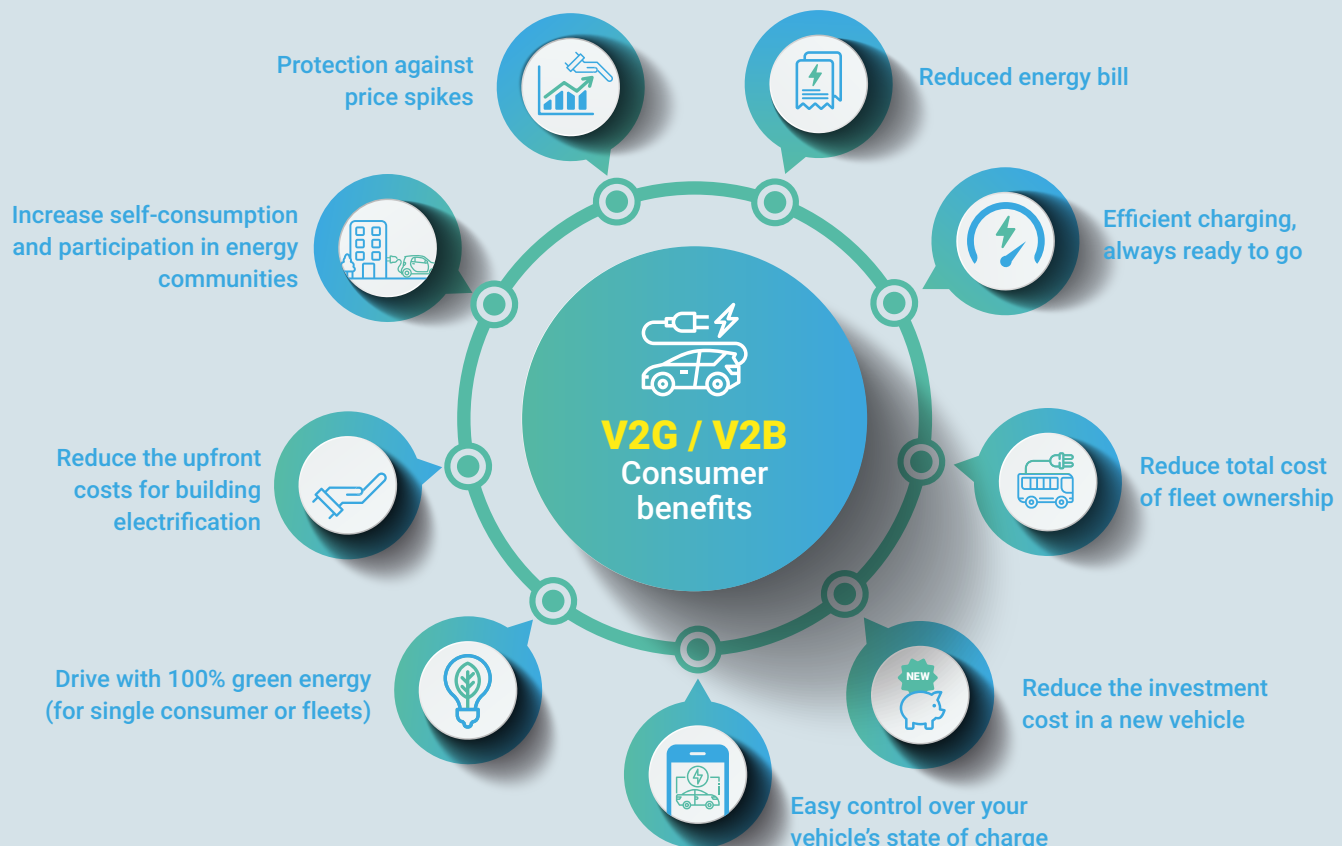
V2Market in a nutshell

EV batteries are flexible decentralised energy resources, if integrated with the power system, they can increase its flexibility and enhance system efficiency. **The V2Market project aims at creating the necessary market conditions to valorise the storage and flexibility capacity of EVs.**

HOW?

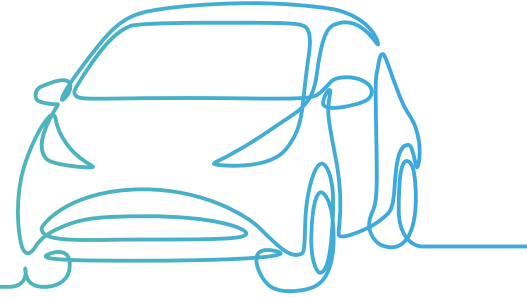
- V2Market puts together all the relevant actors in the EV value chain to create new business models for aggregators, EV owners and flexibility buyers.
- V2Market services use monitoring and price forecast ICT tools to help EV owners and aggregators to size their business opportunities.
- The project tackles financial barriers and facilitate access to new financial resources: EPC and servitisation schemes.

Through V2Market services, the consumer can harness multiple benefits

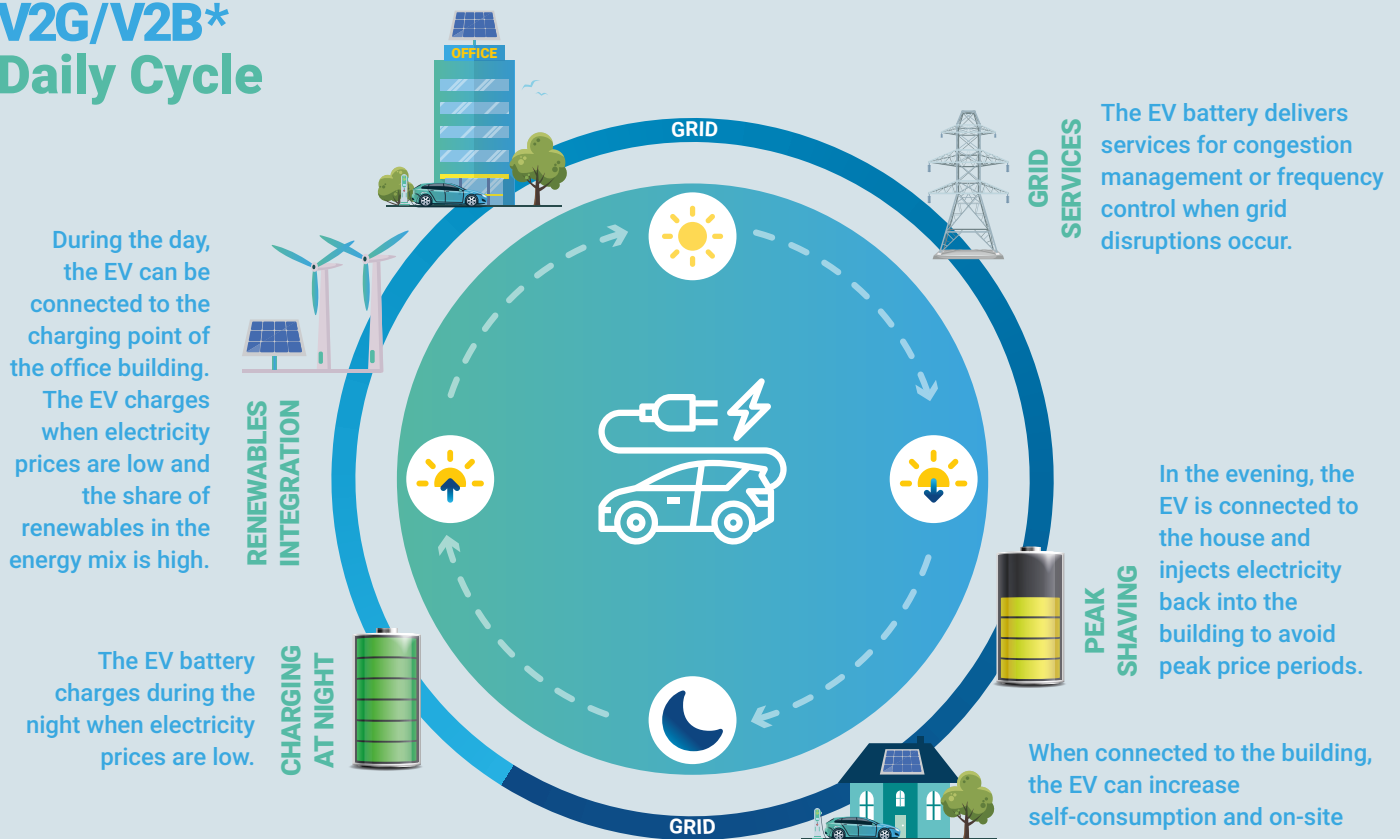


V2G/V2B technology

V2G and V2B stand for the bi-directional use of electricity stored in EV batteries. This technology goes beyond smart charging, and connects travel routines, grid stress levels, and electricity markets. Batteries can be used for transport, for providing flexibility services to the grid, for Energy Efficiency (EE) optimisation at buildings level, and for better integrating renewable energy sources into the system. **This creates a real market opportunity that will be explored by V2Market**



V2G/V2B* Daily Cycle



*(Vehicle-to-Grid) and (Vehicle-to-Building).

Pilot site in Àrea Metropolitana Barcelona



V2Market solutions will be tested in real-life conditions in the Àrea Metropolitana Barcelona (AMB). The pilot will assess the acceptance and uptake of V2Market services by EV users of the municipality. It will tailor the best contractual arrangements using big data analysis of the AMB patterns for charging and discharging. It will also test the connection between the GIVe software (provided by Nuvve), the existing electricity markets, IREMEL (OMIE) and the BD40PEM platform (Nuvve).



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