

Use case-based charging infrastructure rollout forecasts in EU, US and CN

CLIENT: ASIAN PASSENGER CAR OEM

BACKGROUND: Product strategy is strongly dependent on availability and distribution of charging infrastructure. FEV was asked to help identify relevant use cases and to derive forecasts.

Deliverables

- Assessment of charging needs and behavior in urban, suburban and rural areas for EU, US and CN based on
 - demographic splits in target markets and
 - FEV BEV user experience and expectation statistics
- Derivation of EVSE performance assumptions such as charging power range and average and utilization in different locations considering legal and technological boundary conditions (separately for each target market):
 - Residential charging
 - Workplace charging
 - Semi-public charging
 - Public charging
 - En-route charging
- Generation of detailed charging infrastructure forecasts

