



BOLTZ
System & Operation Scenario

EV User
Simplified Charging Steps

EV users can **simply order charging services via mobile phone** instead of handling the entire charging process.

Wireless Charging
High Compatibility

Wireless charging **overcomes spatial & environmental limits**, reducing impact on current infrastructure.

Parking Information System
Parking Data Synchronization

The system provides **real-time updates on parking lot locations and space availability**.

Target Electric Vehicle
Compact Parking Solution

Boltz Vehicles **can share parking spaces with target EV** without altering the parking layout.

Management System
Smart Mobile Charging Robot Management

The management system comprehensively evaluates grid, site, and user information; it **intelligently adjusts the dispersion and aggregation of vehicles**.

Traffic Monitor System
Real-Time Traffic Optimization

Gathers and sends real-time traffic data to management system to optimize efficiency and improve safety.

Smart Grid System
Organic Regulatory Mechanism

During periods of **power instability** in cities caused by **clean energy generation (wind and hydroelectric)**, MCRs can supply energy back to the grid.

Charging Station
Respond to V2G (Vehicle-Grid) Mode

MCVs recharge at the station based on their battery status /city electricity demand prediction.

Boltz Mobile Charging Robot
Physical Terminal of Smart Charging System

Boltz Vehicles operate at low speeds on **non-motorized lanes**, ensuring safety while **minimizing disruption to the overall traffic system**.

