

Deliver Reliable Electric Vehicle Charging That Scales

The Challenge

Integrate charging stations into smart grid operations and actively manage load with real-time data and fine-grained control. ChargePoint 4.0 enables the diagnoses and correction of issues remotely, without driving to the station's location, and quickly update software without involving IT. Use rich reporting tools to track energy dispensed, fees collected, station usage and GhG prevented in granular 15-minute intervals. Plus scaling charging operations easily, ChargePoint supports millions of charging spots.

The Solution

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Utilities Vision

"Our EV charging business is self-sustaining, funded by driver revenues."

"With EV charging, we're using technology to avoid truck rolls and keep our costs low."

"We've put in place tools to manage the energy and capital for EV charging stations since we expect it to be a large-scale business."

Ensure reliable service end-to-end while scaling to millions of charging spots

- View the real-time status of all your stations, and monitor real-time alarms. Diagnose and correct issues with charging stations remotely, without driving to the station's location.
- Receive station software updates without disruption to service, and without IT involvement.
- Continue normal operations without disruption in the unlikely event of a data center issue. Redundancy guards against connectivity or data center issues.
- Ensure drivers are taken care of with the included 24x7 ChargePoint driver support.
- Enjoy the same remote station diagnosis, repair and upgrades, the same continuous service, and the same 24x7 driver support no matter which ChargePoint stations you install, from any manufacturer.

Integrate charging stations into your smart grid operations and actively manage load with real-time data and fine-grained control

- See precisely where the electric vehicle charging load is being drawn at all times.
- Actively manage load by adjusting energy flow in 1% increments.
- Analyze peak load trends using detailed data on energy dispensed. Send time-of-use pricing signals to drivers, varying price by time of day.

Allow the ChargePoint service to handle all payment processing, or integrate billing and reporting into existing systems

- Let the solution handle all payment processing, funds transfer and collections for you. Set fee structures by time, session, or energy dispensed.
- Alternatively, integrate billing for public EV energy consumption into the utility bills of your residential customers, while still allowing pay-for-use access for non-customers.
- Use the rich reporting tools to track energy dispensed, fees collected, station usage and greenhouse gas prevented in granular 15-minute intervals, or integrate usage data with existing systems.