



EV Charger Ecosystem

Provide a faster and more reliable charging experience using Wipro's smart and connected charging control and interface software solutions for the charger ecosystem.

Access to an intuitive and efficient charging infrastructure is critical to EV owner and user satisfaction. Wipro's end-to-end EV charging power system package includes adaptable architecture and integration support for all types of charging interfaces and connectors. This enables secured access control, helps users locate charging stations and book charging slots in advance, and communicates billing information with seamless connectivity to deliver efficient charging station operations and experiences.

Wipro's sophisticated simulation proficiency, state-of-the-art algorithms and strategic alliances through our Cloud Car ecosystem enable clients to create products, platforms and technologies at scale to make the electrification experience seamless and address the current and future needs of the EV charger ecosystem.

We offer next-generation connectivity solutions to make battery EV charging experience a seamless practice for OEMs, charge point operators and end users.

Key takeaways



Cloud-enabled charging protocol solution improves overall customer charging experience



Our AI- and ML-based adaptive charger interface algorithm ensures scalability across multiple e-Mobility platforms.



Smart Cloud Car charging station management drives EV adoption



Power optimization solution uses the Vehicle-to-Home and Vehicle-to-Grid interface



Safe and Reliable charge control using advanced software control logics and interface solutions

Key benefits



Front-line simulation solutions for the charging process



Enhanced safety and security configurations as per compliance



Control strategies covering vehicle authentication protocols



Prognostics methodology to ensure fail-safe architecture

Features



End-to-end Cloud connected charging eco-system



Adherence to system integration protocols



Reliable high-voltage software system architecture design



Cybersecurity and functional safety (ISO26262) compliant



Asset management and operation control

Wipro Engineering Edge empowers the EV charging ecosystem to ensure high performance, safety, security and usability.



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and build future-ready, sustainable businesses. With over 250,000 employees and business partners across 66 countries, we deliver on the promise of helping our customers, colleagues, and communities thrive in an ever-changing world.

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