



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

The 'Key benefits' section features four dark purple rounded rectangular boxes arranged in a 2x2 grid. Each box contains a white circular icon on the left and a white text area on the right. The icons represent: 1) a gear with a lightning bolt for simulation, 2) a shield with a checkmark for safety, 3) a clipboard with a checkmark for control strategies, and 4) a brain with gears for prognostics.

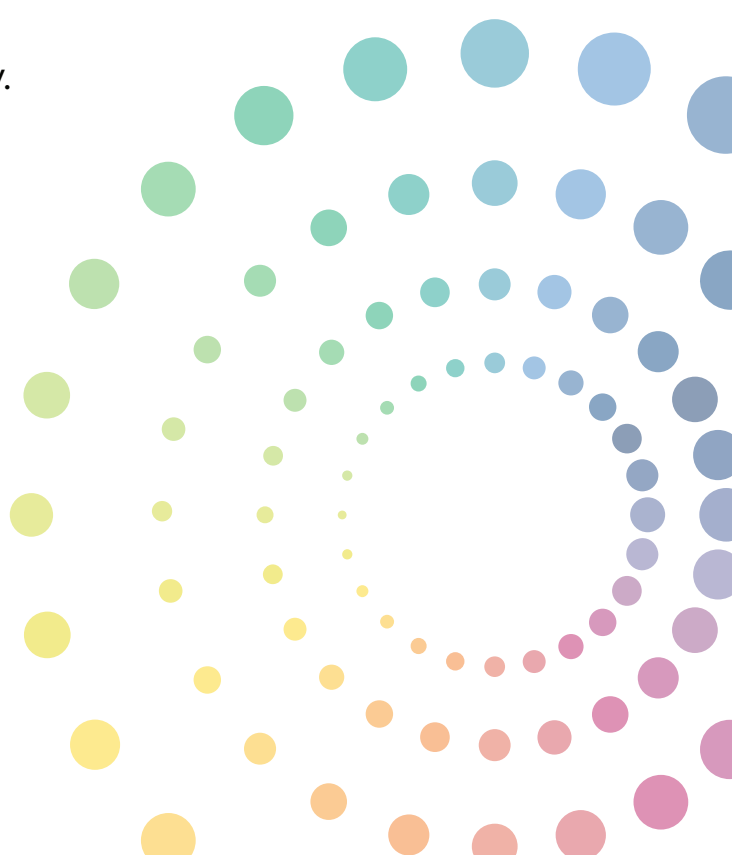
- Front-line simulation solutions for the charging process
- Enhanced safety and security configurations as per compliance
- Control strategies covering vehicle authentication protocols
- Prognostics methodology to ensure fail-safe architecture

Features

The 'Features' section consists of six blue circular icons, each with a white icon inside, followed by a text description. The icons represent: 1) a cloud with lightning bolts, 2) a computer monitor with a code symbol, 3) a gear with a person, 4) a computer monitor with a gear, 5) a laptop with a shield, and 6) a computer monitor with a gear.

- End-to-end Cloud connected charging eco-system
- Reliable high-voltage software system architecture design
- Asset management and operation control
- Adherence to system integration protocols
- Cybersecurity and functional safety (ISO26262) compliant

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





Ambitions Realized.

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clients realize their boldest ambitions and build future-ready, sustainable businesses. With nearly 245,000 employees and business partners across 65 countries, we deliver on the promise of helping our clients, colleagues, and communities thrive in an ever-changing world.

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