DataField Launches Comprehensive EV Charging Station Design Service to Help Businesses Future-Proof Their Commercial Properties

June 23, 2025

June 23, 2025 - PRESSADVANTAGE -

DataField Technology Services has announced the official launch of its comprehensive electric vehicle (EV) charging station design service. This service aims to help commercial property owners and developers across the United States future-proof their investments in anticipation of the rapidly growing demand for EV infrastructure. This new service reflects an evolution in commercial planning, engineering, and environmental readiness as businesses prepare for significant shifts in transportation, energy consumption, and consumer expectations.

The new design service addresses key challenges faced by businesses seeking to accommodate electric vehicle charging at their locations. With electric cars projected to account for a large share of the automotive market over the next decade, commercial facilities that lack charging capabilities may be disadvantaged in customer satisfaction and regulatory compliance. DataField's approach integrates site analysis, electrical load assessments, scalable infrastructure planning, and code-compliant design, allowing businesses to implement EV charging stations that align with current and future energy needs.

The design process is rooted in engineering rigor and site-specific considerations. The service evaluates existing electrical capacity, local grid compatibility, and optimal equipment placement while accounting for ADA compliance, safety regulations, and traffic flow. Whether the property is a retail center, office campus, mixed-use development, or industrial facility, DataField customizes each EV charging station design to ensure it meets municipal requirements and the operational goals of the property owner.

According to a DataField spokesperson, the firm recognized a growing gap between interest in EV infrastructure and the technical capacity of most organizations to implement such systems effectively. "We saw that many commercial property owners were eager to respond to the EV transition but lacked access to high-quality, technically sound design services that account for all the intricacies of energy use, compliance, and long-term scalability," said the spokesperson. "Our service bridges that gap by offering turnkey design solutions grounded in engineering and regulatory expertise."

This initiative is timely as municipalities and state governments continue to roll out mandates and incentives that support the transition to electric vehicles. Many new building projects are now required to include EV-ready parking infrastructure. Existing structures are increasingly under pressure to retrofit spaces for EV charging to remain competitive. By offering a comprehensive EV charging station design service, DataField helps property owners comply with evolving regulations and strengthen their properties' value through improved tenant appeal and energy-conscious infrastructure.

Rather than offering generic or template-based layouts, the service prioritizes adaptability and future readiness. Designs are developed with a focus on scalability, allowing additional charging stations to be added with minimal disruption as demand increases. Electrical conduit placement, breaker sizing, transformer loads, and backhaul routing are all engineered for expandability. This is particularly critical for clients planning phased developments or anticipating tenant turnover that may include EV-centric businesses.

A DataField spokesperson noted that early adopters of this service already see value beyond compliance. "We're finding that commercial property owners view EV charging stations not just as a necessity but as a long-term investment in infrastructure that will remain relevant as vehicle fleets shift away from combustion engines. This is about readiness for tomorrow, not just today."

DataField facilitates coordination with utilities, local inspectors, and general contractors as part of the design service, ensuring a smoother permitting and installation process. While the company does not provide construction or installation services directly, its engineered designs are suitable for handoff to contractors and utility providers, streamlining the overall development timeline. The company also offers post-design consultation to answer technical questions and assist with contractor interpretation.

DataField's service is particularly relevant in dense urban markets and fast-developing suburbs, where the proliferation of electric vehicles and corresponding infrastructure needs are accelerating rapidly. Shopping centers, business parks, healthcare campuses, and logistics hubs are all prime candidates for the kind of engineering foresight the firm's designs offer. The company's representatives emphasize that ignoring EV readiness in commercial planning today may result in higher retrofit costs and reduced property value shortly.

The service also considers the diverse charging technologies available and their suitability for different applications. Level 2 chargers, for instance, may be optimal for retail centers where customers dwell for several hours, while direct current (DC) fast chargers are better suited to highway-adjacent commercial properties or fleet vehicle hubs. DataField's designs evaluate charging speed, usage patterns, peak load management, and equipment lifespan to deliver a holistic solution.

A spokesperson for the company said that energy efficiency and grid impact are growing concerns among clients. "Energy usage is not just about how much power a property can deliver. It's about when and how that power is used. Our designs factor in load balancing, demand response potential, and battery storage integration to help properties mitigate peak charges and explore future opportunities for smart grid interaction."

In anticipation of broader smart infrastructure deployment, DataField's EV charging station design service includes optional integration pathways for solar panel systems, battery energy storage, and building automation interfaces. These features allow property owners to align EV infrastructure investments with broader sustainability goals or LEED certification efforts. This alignment can provide additional financial benefits in markets where incentives or tax credits are available for green infrastructure.

The rollout of this service is part of a more significant effort by DataField to expand its footprint in energy-forward engineering and infrastructure planning. While the company is best known for its core services in data systems, low-voltage design, and building systems integration, the addition of EV charging station design reflects a strategic evolution in response to changing client needs and environmental realities.

The spokesperson added that demand for technically sound and future-proof EV charging solutions is only expected to increase. "This is an inflection point for commercial infrastructure. What's being designed and built today will shape property values, tenant mix, and environmental impact for decades. We aim to provide the design foundation that enables responsible and strategic investment in electric vehicle infrastructure."

With a nationwide reach and a commitment to engineering precision, DataField positions itself as a key partner for commercial property stakeholders seeking to navigate the complexities of EV infrastructure development. From conceptual layout to electrical schematics and permitting documentation, the firm delivers

full-service design solutions calibrated for the long-term realities of transportation and energy use.

For commercial developers, facilities managers, and property owners who want to equip their sites with compliant, cost-effective, and scalable electric vehicle charging capabilities, DataField's new EV charging station design service offers a technically robust and forward-thinking solution. More information about the service can be found on the company's website at https://datafieldusa.com/commercial-ev-charging-station-design/.

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DataField Technology Services

DataField Technology Services specializes in customized network engineering and design solutions for the nation's largest service providers.

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