



A QUANTA SERVICES COMPANY

HICO GIS SUBSTATION

DRIVING THE FUTURE OF EV MANUFACTURING

SERVICE: Substation

LOCATION: Clarksville, Tennessee

DATE: July – December 2025

SCOPE: Building a Gas Insulated Switchgear system to power new EV battery cathode manufacturing plant.

Service Electric crews are proud to be supporting the construction of the new cathode manufacturing plant in Clarksville, Tennessee—a project that marks a major step forward in the growth of the U.S. electric vehicle supply chain.

The new \$3.2 billion facility will produce cathode materials for electric vehicle batteries, a key component that determines battery performance and driving range. Once fully operational, the plant will produce up to 60,000 tons of cathode material each year, enough to supply approximately 600,000 high-performance EVs annually.

Service Electric crews constructed a Gas Insulated Switchgear (GIS) system which is part of the substation powering the facility. GIS technology offers a compact, high-efficiency design ideal for industrial applications that demand reliability and precision.

This project reflects Service Electric's growing expertise in specialized substation work and our continued role in



powering progress across the region. By contributing to a facility that will help drive the future of electric vehicle manufacturing, our crews are once again showing what it means to deliver excellence—no matter the scale of the challenge.