

A photograph of a white electric vehicle charging station at night. The station has a digital screen displaying 'Plug In Here' and two charging ports labeled '1' and '2'. It is illuminated with a green glow. In the background, a dark SUV is parked in a lot. The image is framed by large, semi-transparent blue and green circles.

Electric Vehicle Charging Infrastructure Deployment

What you can't see can make all the difference. Behind electric vehicle (EV) chargers are elaborate energy systems that, when well-designed, provide the cleanest, lowest cost energy, at the right time, and without fail.

Black & Veatch makes the invisible invaluable by scaling charging infrastructure to keep pace with demand, drive EV adoption, and build an enduring framework for sustainable growth.



Black & Veatch brought a lot of skills and relationships to the project. It's one thing to build one Supercharger site, but it's a totally different thing to build one hundred at a time or have 40 or 50 in construction at any given time.

Kevin Kasseskert | Director,
Supercharger Development & Energy
Efficiency, Tesla Motors, Inc.

Site Selection and Permitting

Real estate is competitive in electrification because securing the right sites minimizes project time and cost. Black & Veatch knows what to look for when evaluating EV charging sites and we understand electric utility requirements for effective coordination and construction. From site acquisition through commissioning, we provide comprehensive environmental and land services to ensure ideal site selection that supports a functional facility layout.

Unsurpassed Knowledge

We are building the largest and most complex charging networks in the U.S., applying our expertise in transportation, power delivery, and integrated infrastructure systems. Our depth of resources and proven construction approach enables concurrent, multi-site deployment. We effectively collaborate with industry leaders including EV service providers, utilities, automakers, and fleet managers, OEMs and service providers.

Distinct Advantages

Black & Veatch is a leader in clean transportation and energy storage infrastructure. We combine our specialized experience with our 100-year engineering legacy to scale EV projects nationwide:

- Turnkey engineering and construction solution for light, medium and heavy-duty charging networks.
- Renewable energy and energy storage integration
- Safety management services
- High-density depots and logistics for autonomous and urban fleet infrastructure deployment

Black & Veatch deployed:



43%

of all U.S. DC
Fast Chargers



EV charging in

46
states and Canada



1,673 MW

of fleet and
public charging



Over

55,000 kW

networked energy storage
for EV peak shaving