

Fleet Electrification



Black & Veatch helps organizations decarbonize their fleets and facilities, building an enduring framework for sustainable, resilient growth.

Plan your Sustainable Fleet

Organizations want green transport, but they need certainty around their business case and operations. We help you stay ahead of the electrification curve by developing a clear, customized strategy and roadmap that accounts for make-or-break factors such as equipment options, charging strategy, energy reliability, emission reductions, and available incentives. Our in-house advisory experts ask the right questions to guide you through your transition, starting with clean fleet feasibility, through design and execution, to effective operations. We conduct fleet analysis and develop use cases to ensure your infrastructure investment aligns with fleet requirements.

Manage your Energy Cost & Risk

Fleet electrification creates a new dynamic around energy that must be managed:

- As fleets electrify, owners become more dependent on power from utilities and energy providers

- Electric fleets require significant power that incurs cost depending on the utility or energy provider's rate structure
- Significant utility upgrades may be necessary, which could take from 12 up to 48 months based on Black & Veatch's experience
- Successful operations hinge on reliable power

To reduce energy costs and risks, more organizations are deploying onsite energy systems to control generation, ensure reliability, and avoid outages, all while reducing costs. A microgrid-solar-storage system with a backup generator can help bridge the gap to get operations up and running and keep them online while waiting for increased distribution capacity from the utility. With a modular, scalable design, you can add clean technologies over time to balance utilization and generation, achieve the largest cost reductions, increase resilience, and decarbonize more of your fleet facility and supply chains.





Why Black & Veatch?

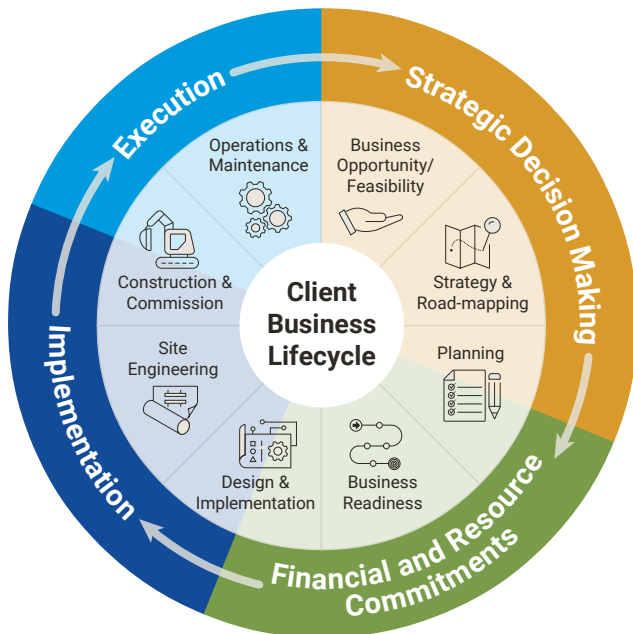
30,134
EV dispensers
deployed across
49 states &
6 countries

33%
of U.S. DC Fast
Chargers engaged
by Black & Veatch

2 GW
charging capacity
deployed

150+
microgrid
projects

2.5 GW
of BESS energy



Our process right-sizes your fleet infrastructure, staged in phases to reduce investment risk. You gain a competitive advantage with built-in resilience and stabilized long-term energy and maintenance costs.

Tap Our Unsurpassed Knowledge

Black & Veatch is a leader in EV charging planning, engineering, permitting and construction (EPC). For nearly a decade, we've been building the largest and most complex charging networks across the U.S., Canada, and Europe, and helping global organizations decarbonize their fleets.

We strategically plan and deploy cleaner versions of essential systems and evolve transportation and facilities into the decarbonized era. We do this by tapping our in-house experts who guide every aspect of your transition to an electric fleet:

- Clean transportation planning, strategy & roadmap
- Climate analytics & sustainability planning
- Site planning & acquisition
- Power delivery & distributed energy resources planning
- Environmental permitting
- Facility design & EPC
- Equipment commissioning & turnover to operations

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