

Black & Veatch Energizes Your Journey to a Zero-Emission Fleet With Our Proven 10-Step Process

Step 1:

Understand Your Fleet

Define duty/drive cycles, fleet route length and conditions, vehicle life, payload, and dwell time. Understand emissions impact on disadvantaged portions of community.

Step 2:

Manage Organizational Changes

Staff will have to adapt to using and maintaining new vehicle models and charging/fueling technology. Create a plan to manage staff skills and morale through the transition.

Step 3:

Technology Selection

Select the appropriate vehicles and charging/fueling technology that meets your goals and allows for optimal interconnectivity.

Step 4:

Understand Site Energy Load Requirements

Depending on fleet operations, the required energy could be substantial and require significant equipment and investment. Optimizing equipment and charging strategies yield cost savings.

Step 5:

Optimize On-Site Energy

Determine the ability to manage charging to reduce bills and enhance sustainability by leveraging solar and battery energy storage systems.

Step 6:

Site Selection and Planning

Determine the optimal location(s) for charging. Utility capacity constraints could merit changing operating locations. Potentially add public charging dispensers to incentivize electric vehicle use and enhance the equitable reduction of emissions across the community.

Step 7:

Utility Coordination, Engineering, & Design

Engaging your utility early is important to ensure timely charging infrastructure deployment. Utility requests often require conceptual engineering designs that incorporate future fleet operations and future-proofing.

Step 8:

Apply for Permit & Approvals

Permits, paperwork, setback requirements, and local codes are essential considerations when decarbonizing your fleet.

Step 9:

Utility & Distribution Upgrades

Utility upgrade costs can be significant. The Black & Veatch team helps navigate the process through project design updates and/or utility discussions.

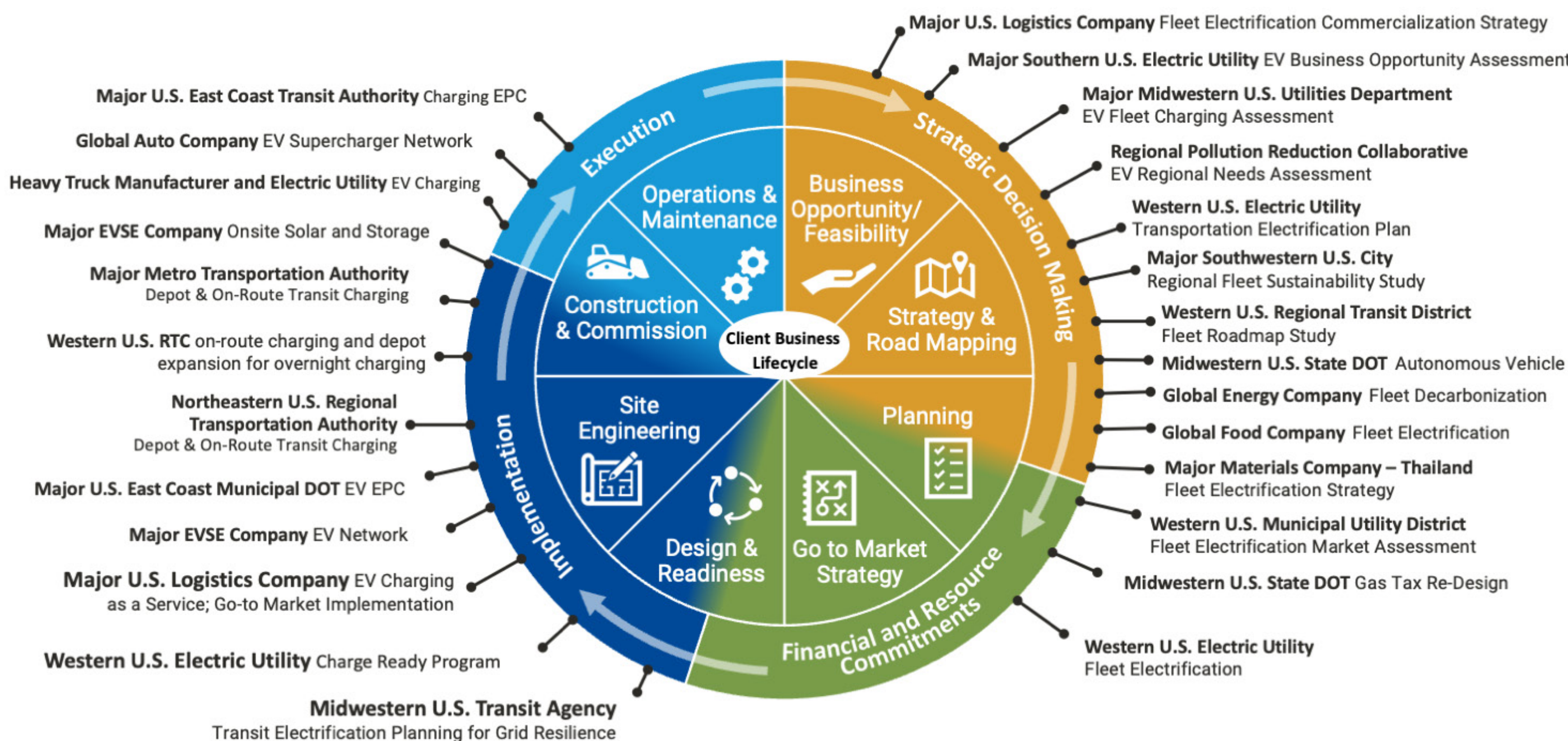
Step 10:

Construct, Install & Commission

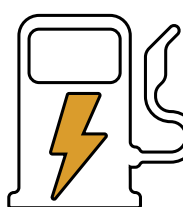
The effective execution of steps 1-9 is critical to make fleet electrification deployment efficient and successful according to your timeline.

Black & Veatch Experts Guide Clients Through the Complete Zero-Emission Business Lifecycle

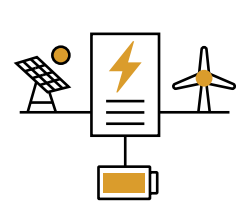
From Strategy and Planning to Design and Implementation, We Make Zero-Emission Transportation a Reality



Why Black & Veatch?



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



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



2 GW
charging capacity
deployed

1st
hydrogen fueling station
network constructed in
California - largest in the US

150+
microgrids
projects

Download our eBook
**10 Steps to Build a
Sustainable Electric Fleet**

