Transportation Electrification

Accelerating the future of cities, utilities, and fleets
A zero emissions future

A massive change is underway across our cities, fleets and utilities that will bring social, environmental and economic change through the deployment of new transportation technologies. Our global team is delivering comprehensive solutions to electrify the future of transportation.

Leading the industry

As leaders in transportation and energy consulting, engineering and infrastructure, our team is accelerating the adoption of zero emissions technologies.

- Supporting over 20 transit agencies in their fleet electrification efforts
- Led engineering, procurement and design management to deploy over 300 DC fast chargers throughout the Netherlands and Germany
- Partnered with The American Public Transportation Association to modify the industry standard bus specification to include battery electric bus technology
- Electric Vehicle Charging Infrastructure System at JFK International Airport Terminal 5 project received ACEC NY 2021 Diamond Award
- Leading program management that will deliver infrastructure to 18 locations across Doha, Qatar that will be used by electric buses, trucks, and light duty vehicles
- We have led over 80 projects supporting cities, utilities and fleet owners in transportation electrification efforts
Delivering

It’s not just about converting vehicles – cities, utilities, and owners of fleets and infrastructure will also need services to develop new infrastructure to support the transition.

Services

Cities will drive the conversion to transportation electrification.

- Transportation electrification planning and strategies
- Modeling and forecasting electrification impacts, incentives, and programs
- Program management of electric vehicle program and fleet conversions

Fleet owners will be the catalyst for transportation electrification.

- Fleet feasibility studies, planning, design and deployment
- Facility siting and retrofit design
- Energy and charging infrastructure planning, design, and deployment

Utilities will be the backbone for future electric mobility.

- Utility rate design, incentive programs, and implementation analysis
- Grid impacts and forecasting
- Connected community support and engagement

Infrastructure owners will play a critical role in providing charging for electric vehicles.

- Charging infrastructure planning and modeling
- Utility coordination and services
- Charging infrastructure master planning and program management

Innovating

We are developing tools and business models to apply innovative solutions to how we plan, design, finance and deploy critical transportation and energy infrastructure to drive our zero emissions future.

Charging as a Service

A unique delivery model that accelerates charging infrastructure deployment to realize benefits early, reduce risks, and optimize operational costs.

Our proprietary tool models impacts of transportation electrification so cities, utilities, and infrastructure owners can make data-driven decisions for policies and charging infrastructure deployments.
About AECOM

AECOM is the world’s trusted infrastructure consulting firm, delivering professional services throughout the project lifecycle – from planning, design and engineering to program and construction management. On projects spanning transportation, buildings, water, new energy and the environment, our public- and private-sector clients trust us to solve their most complex challenges. Our teams are driven by a common purpose to deliver a better world through our unrivaled technical expertise and innovation, a culture of equity, diversity and inclusion, and a commitment to environmental, social and governance priorities. AECOM is a Fortune 500 firm and its Professional Services business had revenue of $13.2 billion in fiscal year 2020. See how we are delivering sustainable legacies for generations to come at aecom.com and @AECOM.

Contact us

Andrew Bui
Vice President,
Global Transportation Electrification
andrew.bui@aecom.com

William Haas
Associate Vice President,
Energy Transition and Electrification
william.haas@aecom.com

Get in touch
To learn more or request a demo of our innovations, contact us at transportationelectrification@aecom.com

Explore
Visit our website for the latest news and advancements from our experts. aecom.com/transportation-electrification

Learn
Discover how we are delivering services to cities, infrastructure and fleet owners, and utilities.