



# Electric Vehicle Services

**Powertech Labs supports the rapidly expanding electric vehicle (EV) market by providing engineering and consulting services to local and global clientele.**

We are leading experts in all aspects of EV technologies—including:

- Charging infrastructure planning and deployment
- Grid impact and demand response
- Fleet conversion and deployment planning
- EV technology assessment and testing
- Network management solutions for enterprise, workplace, multi-unit dwellings

## EV CHARGING INFRASTRUCTURE PLANNING AND DEPLOYMENT

Powertech is an industry leader in the planning and development of EV charging infrastructure networks. With the successful installation of over 60 charging stations to date, including BC's first ever direct current fast-charger (DCFC) and 150 kW next-generation DCFC, Powertech is well positioned to support all phases of EV charging infrastructure planning and deployment projects, from site selection and planning, to engineering design and grid integration.

## GRID IMPACT AND DEMAND RESPONSE

With the right technologies and programs in place, EVs can be integrated into grid operations in ways that minimize their impacts on electrical infrastructure, and offer utilities a greater degree of flexibility in their operations.

Powertech is a leader in the development of EV-grid integration and management solutions, with on-site grid interoperability testing facilities that replicate the utility environment.

## FLEET CONVERSION AND DEPLOYMENT PLANNING

Switching fleet vehicles to EV technology can help to significantly reduce operating expenses through lower fueling and maintenance costs. To help fleet operators make the switch, Powertech offers customized EV fleet conversion, deployment, and management services.

## EV TECHNOLOGY ASSESSMENT AND TESTING

By combining our world-class testing facilities with our depth of knowledge, Powertech offers a "one-stop shop" for evaluating a full range of EV-related technologies, including vehicles, charging stations, and network management systems.

## NETWORK MANAGEMENT SOLUTIONS FOR ENTERPRISE, WORKPLACE, MULTI-UNIT DWELLINGS

Powertech's expertise in network management systems for EV charging infrastructure enables our clients to deploy, manage, and optimize EV charging infrastructure at scale, while minimizing the impact of EV charging on existing electrical infrastructure.

### ABOUT POWERTECH LABS:

*Powertech Labs Inc. is one of the largest testing and research laboratories in North America, situated in beautiful British Columbia, Canada. Our 11-acre facility offers 15 different testing labs for a one-stop-shop approach to managing electrical utilities, and testing gas components, pressure vessels and systems.*

*Outside of the utilities industry, Powertech provides routine testing capabilities, product development, research and consulting services to support an array of industrial-type operations, electrical equipment manufacturers and automotive original equipment manufacturers.*

[www.powertechlabs.com](http://www.powertechlabs.com)

### FOR MORE INFORMATION CONTACT:

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