



ELECTRIC & SMART VEHICLES

QUÉBEC ASSETS

- >> **Canadian leader** in adoption of electric vehicles
 - Nearly 50% of electric vehicles in Canada
 - Rebate program for EV purchase or lease
- >> Solid **industrial base** in ground transportation
- >> **Support for:**
 - fast charging stations along major roadways
 - charging stations in multiple-unit housing, new office buildings and on street parking zones



4th World's largest producer of hydroelectricity



Abundant natural resources for manufacturing batteries

TRANSPORTATION ELECTRIFICATION ACTION PLAN 2015-2020



Generate **\$500 million** investments



Increase jobs from 1,500 to **5,000**



Register **100,000** electric vehicles in Quebec



Reduce GHG emissions by **150,000 T**

GLOBAL MARKET

2 million vehicles in 2016

61% all-electric vehicles and 40% plug-in hybrid electric vehicles



+ 100 COMPANIES



+ 4 000 JOBS

Research and organizations

- >> MIQro Innovation Collaborative Center (C2MI)
- >> Computer research Institute of Montréal (CRIM)
- >> Aluminum Technology Centre (CTA)
- >> Centre des technologies avancées (CTA) BRP - Université de Sherbrooke
- >> National Research Council Canada (CNRC)
- >> SigMA - Intelligent System electronics and Aerospace - Sherbrooke University
- >> Performance Innovation Transport Group (PIT) - FPInnovations
- >> Institut de l'électrification des transports intelligents de Montréal
- >> Institut de recherche sur l'hydrogène (IRH) - Université du Québec à Trois-Rivières
- >> Institut du transport avancé du Québec (ITAQ)
- >> Institute for data valorisation (IVADO)
- >> Innovative Vehicle Institute (IVI)
- >> National Optics Institute (INO)
- >> Association des Véhicules Électriques du Québec (AVEQ)
- >> Grappe industrielle des véhicules électriques et intelligents
- >> InnovÉÉ innovation en énergie électrique
- >> Pôle d'excellence québécois en transport terrestre
- >> Technopôle IVÉO



A sample of Québec's innovations



addenergietechnologies.com

A leading supplier of charging solutions for electric vehicles, AddÉnergie develops, manufactures and operates in all market segments (public, employer, multi-residential, fleet and residential). The company supplies the charging infrastructure for Canada's two largest charging station networks. AddÉnergie provides the products and software necessary to manage these networks and will soon launch new networks with international partners.



brp.com

Bombardier Recreative Products (BRP) is a world leader in the design, manufacturing, distribution, and marketing of motorized recreational vehicles and powersports engines.



ecotuned.com

Ecotuned Automobile is specialized in the electric conversion of gas-guzzling light trucks with the world's first reusable electric drive system. With a lifespan of 1 million km, the system can be installed and reused up to 5 times in 85% of light trucks on the market.



effenco.com

With its Active Stop-Start hybrid electrical system, Effenco enables vocational truck fleet operators (garbage, recycling, delivery, cherry pickers) to eliminate fuel consumption related to idling. Fuel consumption drops by 30%, GHG emissions are cut by 19 to 28 metric tons per year, and maintenance costs are reduced.



lionbuses.com

The Lion Electric Company designs and commercialises 100% electric buses and trucks in order to develop sustainable and integrate solutions for transportation companies.



nordresa.com

Nordresa's team designs and manufactures electric powertrains for medium-duty commercial vehicles dedicated to urban goods transportation. Our clients are Original Equipment Manufacturers (OEMs) who want to accelerate the introduction of electric vehicles into their service offering and fleet operators who aim to reduce emission of GHG while limiting their operating costs.



Driven by your city

novabus.com

Nova Bus is a provider of sustainable transit solutions in North America. The company manufactures environmentally-friendly buses, high capacity vehicles and integrated intelligent transport systems. Nova Bus is part of the Volvo Group.



precicad.com

precicad.com

An industrial design and engineering services company established in 1993, Précicad offers its customers integrated product development services (industrial design, mechanical engineering, numerical simulation). Précicad has designed an electric industrial truck made of aluminium, which is manufactured and marketed by its sister company, Kargo.



tm4.com

With its patented permanent magnet external rotor motors, generators and power-dense inverters, TM4 provides some of the world's most advanced electric drivetrain systems, positioning itself as a key partner for manufacturers, suppliers and integrators in the transportation and power generation markets.

écotech
Québec

As the first organization of this kind in Canada, **Écotech Québec** brings together key decision makers of Québec's cleantech ecosystem.

Discover how Québec stands out in the clean technologies' sector

www.ecotechquebec.com