

LION ELECTRIC



All-Electric Commercial Vehicle Manufacturer

May 2024

What makes Lion Electric unique?



Lion Electric:

100% dedicated
to your EV success.



EV Confidence

Embrace your EV journey with peace of mind

Lion's dedicated, in-house EV experts guide you every step of the way.



Smooth Operations

Supercharge your fleet's performance

Boost efficiency and maximize uptime thanks to Lion's smart vehicle and battery design.



People First

Be the community hero

Our people-centric vehicle design elevates driver comfort and community health.



Smart Financials

Broaden your financial power

Lion's specialized expertise transforms funding and carbon credits into tangible financial gains.



LION
Founded



Launch of
**the all-electric
LionC** school bus



Launch of the
**all-electric
Lion5** truck



LionBattery
Certification

2008

2010

3 years of product
development



2016

2020

Launch of the **all-electric
Lion6** and **Lion8** trucks



2023

All-Electric school
bus **LionD** Launch



Lion Today



2,000+ electric vehicles in operation with more than 25 million miles driven.



Ramping up highly-automated battery factory in Mirabel, Canada with 1.7 GWh-per-annum installed today.



Factory in Saint-Jérôme, Quebec, with an existing annual capacity of 2,500 vehicles per year.



12 experience centers and 2 R&D centers across the U.S. and Canada.



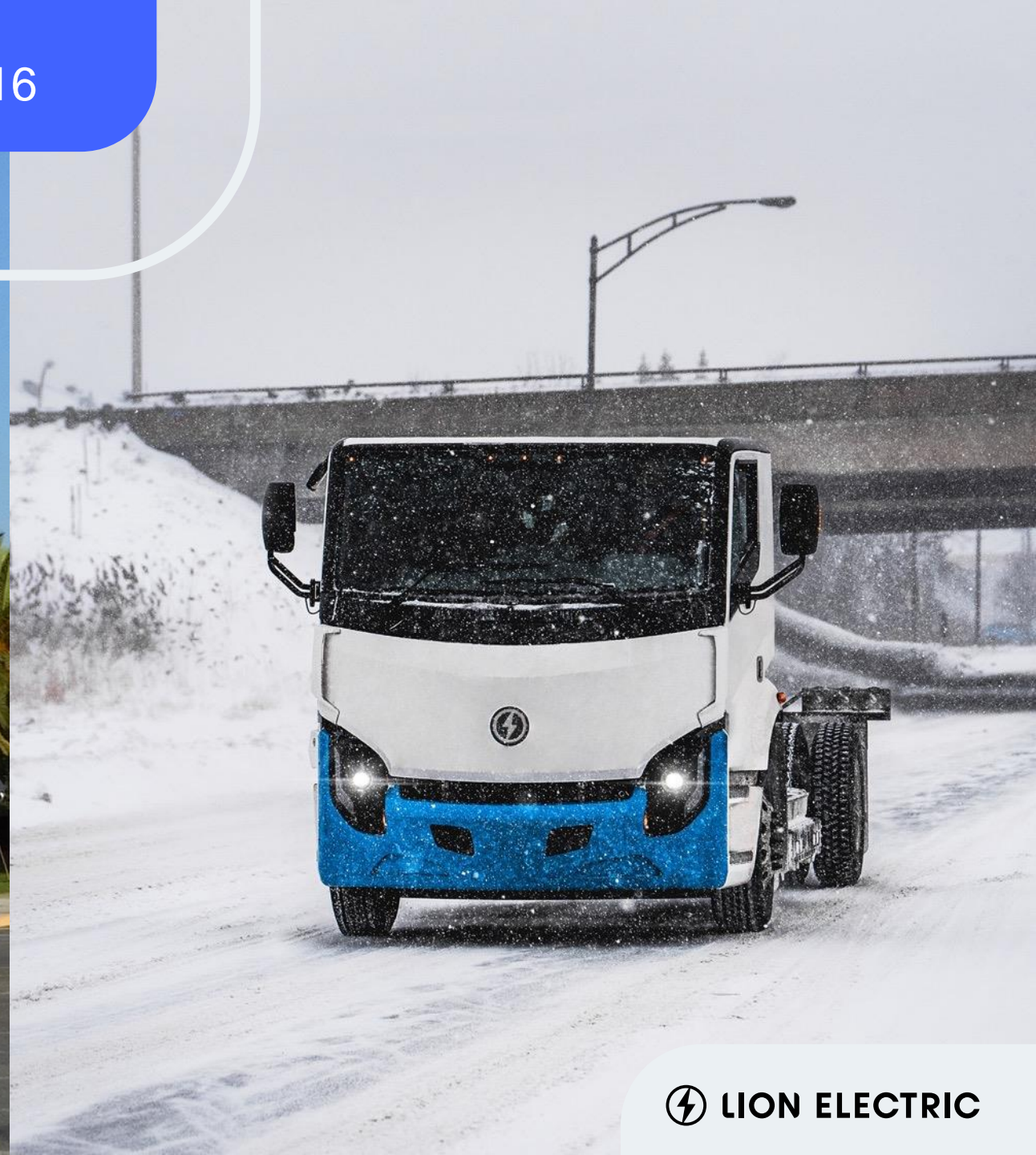
Largest US all-electric dedicated medium and heavy-duty commercial vehicle plant, located in Joliet, Illinois. 2,500 vehicle annual capacity installed today.



100% dedicated to all-electric transportation solutions.

Operating in hot and cold climates since 2016

Lion's electric vehicles have been tested and proven in all types of climatic conditions.



Bus Line



All-Electric School Buses



LION C

All-Electric Type C School Bus

GVWR	Up to 31,000 lb
Range	110-160 miles
Battery Capacity	140-210 kWh



LION D

All-Electric Type D School Bus

GVWR	Up to 37,000 lb
Range	100-125-150 miles
Battery Capacity	126-168-210 kWh

A Sample of Market Leaders that have chosen Lion



Truck line



All-Electric Urban Trucks



LION5

All-Electric Class 5 Truck

GVWR	22,500 lb
Range	Up to 190 miles
Battery Capacity	Up to 210 kWh



LION6

All-Electric Class 6 Truck

GVWR	26,000 lb
Range	Up to 218 miles
Battery Capacity	Up to 252 kWh



LION8

All-Electric Class 8 Tractor

GCWR	110,000 lb
Range	Up to 275 miles
Battery Capacity	Up to 630 kWh

A Sample of Market Leaders that have chosen Lion



LION Ecosystem

100% Dedicated to your EV Success

LION Assistance

Technical support and parts

LION Academy

Training programs for mechanics, drivers and fleet staff.

LION Capital Solutions

Customized financing solutions and carbon credit monetization



LION Energy

Energy consulting and charging solutions

LION Beat

EV telematics and energy management solutions

LION Grants

Turnkey grant monitoring, writing and maximization

LION Ecosystem

Comprehensive EV Solutions by Lion Electric



LION Energy

Tailored energy expertise and streamlined deployment

- Site Planning
- Deployment of Charging Stations
- Custom Energy Solutions



LION Beat

Advanced EV Telematics in one Integrated Platform

- Vehicles & Fleet Management
- Chargers & Energy Management
- V2G (Vehicle-to-Grid)



LION Grants

Simplified Path to Funding

- Eligibility Assessment
- Grant Writing
- Advocacy



LION Capital Solutions

Accelerated Payback & Increased ROI

- EV As-a-Service
- Carbon Credit Monetization
- Tailored Financing



LION Academy

Training Programs for Fleet Excellence

- Hands-On Training
- Technical Deep Dive
- Online Learning



LION Assistance

Technical Support and Parts

- Maintenance & Service
- Warranty Fulfillment
- Parts

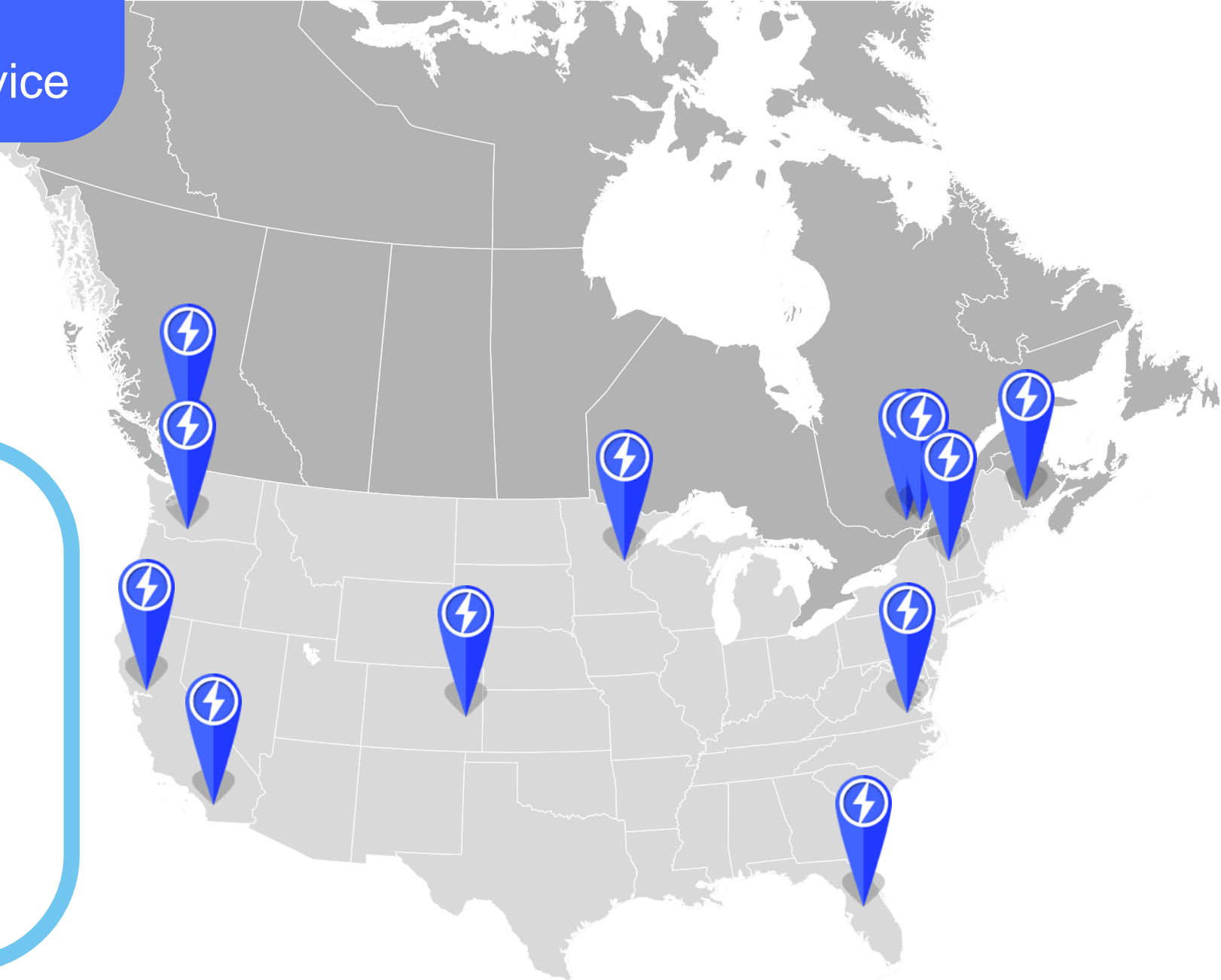


Experience Centers and service



Currently Open

- Alhambra, CA
- McClellan Park, CA
- Auburn, WA
- Denver, CO
- Shakopee, MN
- Jacksonville, FL
- Richmond, VA
- Milton, VT
- Richmond, BC
- Saint-Jérôme, QC
- Terrebonne, QC
- Moncton, NB



Thank You.

Brian Robb

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Appendix

Lion Electric Vehicle Manufacturing

St. Jerome, Qc – HQ, R&D, Manufacturing

Annual capacity of 2,500 vehicles (200,000 sq. ft.)



U.S : Joliet, IL – Manufacturing plant | Largest U.S. plant for MHD electric vehicles.

Annual capacity of 2,500 vehicles installed (900,000 sq. ft.)



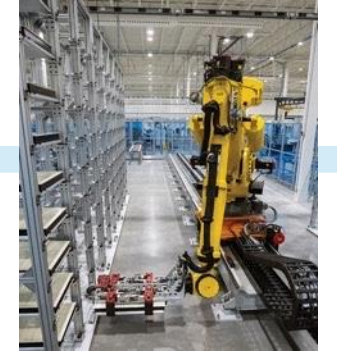
Mirabel, QC – Battery Plant

Annual capacity of 1.7 GWh installed



Maximizing vehicle performance through exclusive vertical integration of electrification management.

- Lion battery modules
- Lion batteries
- Lion Battery Management System (BMS)
- Lion Battery Thermal Management System (BTMS)





What's In It for You?

- **Tailored Energy Expertise:** Our in-house, energy-focused team crafts solutions that meet your specific needs.
- **Simplified Deployment:** Efficient and streamlined implementation of complete electric vehicle (EV) and charging infrastructure, including Vehicle-to-Grid (V2G) technology.



How Lion Makes It Happen

- **Site Planning:** We evaluate your site to ensure optimal EV and charging infrastructure placement.
- **Electrification Readiness Consultation:** A full assessment to gauge your site's preparedness for electrification.
- **Emissions-Reduction Impact Assessment:** Understand your potential for reducing carbon emissions and environmental impact.
- **Energy Consultations:** Targeted advice to help you make energy choices, incorporating the full range of renewable energy sources.
- **Custom Energy Solutions Development:** Vehicle-to-Grid (V2G), Micro-grids
- **Energy demand management Consulting:** Expert guidance to optimize your energy consumption patterns, enhance operational efficiency, and drive cost savings.
- **On-hand Inventory:** Immediate access to top-of-the-line Tier 1 chargers.
- **Mobile Containerized Energy Solutions:** Flexible, portable energy solutions that can be deployed wherever you need them.
- **North American Partnership Network:** Expansive collaborations that encompass design-phase initiatives and extend through to after-market support.



LIONBeat

EV Telematics & Energy Management Solutions



What's In It for You?

- **Holistic Oversight:** Get a comprehensive view of your electric fleet and charging assets on a single platform for quick, data-driven decisions.
- **Operational Efficiency:** Optimize the performance of your electric vehicles and chargers for maximum efficiency and cost savings.
- **Insightful Analytics:** Real-time data tracking, including greenhouse gas (GHG) emissions, empowers you to make informed choices.



How Lion Makes It Happen

- **Integrated Platform:** Customized to monitor your heavy-duty electric vehicles and charging stations from one unified software solution.
- **Embedded Technology:** Our EV-customized telematics are built into every Lion vehicle, ensuring seamless data capture and analytics.
- **Real-Time Tracking:** From GHG emissions to component performance, get real-time insights for all your electric assets.
- **Best-in-Class Telematics:** Powered by leading telematics technology for reliable, high-quality data.



LIONGrants

Turnkey Grant Monitoring, Writing, and Maximization



What's In It for You?

- **Simplified Path to Funding:** Our dedicated team navigates the intricate landscape of grants, identifies the programs you're eligible for and makes the process easy to understand.
- **Turnkey Grant Solutions:** From monitoring to writing, we provide an all-in-one service to maximize your funding across all available programs.



How Lion Makes It Happen

- **Eligibility Assessment:** We evaluate your specific circumstances to identify the grants you're eligible for.
- **Monitoring & Discovery:** Constant oversight and identification of funding opportunities tailored to your needs.
- **Professional Advocacy:** Direct representation to funding entities to address any questions or concerns.
- **Application & Compliance:** Whether you prefer a hands-on or hands-off approach, we ensure your application aligns with program guidelines.
- **Expert Grant Writing:** Customized, professionally crafted applications to optimize your chances of securing maximum funding.



LIONCapital Solutions

Customized financing solutions and carbon credit monetization



What's In It for You?

- **Accelerated Payback & Increased ROI:** Leverage our specialized financing mechanisms to minimize your initial capital investment, thus accelerating your payback period and enhancing your return on investment.
- **Unlock Extra Funding:** Our expertise turns specialized programs into additional financial resources for you.
- **Complete Financing Process:** A streamlined approach that simplifies your entire financing journey.



How Lion Makes It Happen

- **NEW! EV As-a-Service Model:** Get a favorable TCO with a single, predictable monthly fee. This covers all your EV essentials — vehicle, infrastructure, energy, and maintenance — while minimizing financial risk with fixed costs.
- **Carbon Market Monetization:** Capitalize on carbon markets to bring you a new revenue stream.
- **Tailored Financing:** Customized financial solutions for Lion Electric vehicles and related charging infrastructure.
- **Vehicle Leases & Loans:** Diverse leasing and loan options to fit your needs.
- **Flexible Terms:** Tailored to the unique needs of the EV space, making it easier for you to enter or expand your EV fleet.



LION Academy

Training Programs for Mechanics, Drivers and Fleet Staff



What's In It for You?

- **Immediate Savings:** Realize cost benefits from day one. Specialized training ensures you derive maximum value from your EV and charging investments.
- **Empowered Team:** Boost your team's confidence and capabilities in optimizing your electric assets.
- **Enhanced Driver Retention:** Our training programs contribute to higher employee satisfaction and retention rates.



How Lion Makes It Happen

- **Hands-On Training:** In-person instruction for drivers and mechanics at the time of vehicle delivery.
- **Technical Deep Dive:** Comprehensive, in-depth technical training sessions. Equip your drivers with the skills to utilize energy-efficient driving techniques such as regenerative braking.
- **Flexible Learning:** A self-paced, web-based training platform adapts to your team's schedule and learning pace.



LION Assistance

Technical support and parts



What's In It for You?

- **Optimized Uptime:** Our qualified technicians ensure your EVs are up and running when you need them.
- **Peace of Mind:** On-site or remote support to diagnose and resolve technical issues.
- **Extended Support:** Benefit from a robust parts system and extended warranties for long-term assurance.



How Lion Makes It Happen

- **Bright Squad:**
 - **Versatile Service:** Tier 1 maintenance and service delivered remotely, at Lion Experience Centers, or on-site.
 - **Diagnostic & Troubleshooting:** Expert analysis to quickly identify and solve issues.
 - **Preventive Maintenance:** Proactive checks to keep your fleet running smoothly.
 - **Warranty Fulfillment:** Efficient processing of warranty claims.
- **Parts & Service:**
 - **Parts Distribution:** A robust system for rapid parts replacement.
 - **Extended Warranties:** Option to purchase extended coverage for peace of mind.
 - **Warranty Assistance:** Support for processing any warranty claims you may have.



Advantages of EV

Designed to be electric

- ✓ We build our own chassis and vehicles.
- ✓ We assemble our own battery packs.
- ✓ Composite body - no more rust, corrosion, paintwork or trips to the body repair centers.
- ✓ Regenerative braking system – brakes last longer.
- ✓ Our vehicles are not retrofit diesels: they are specifically designed to be 100% electric.
- ✓ Customized driver information driver's dashboard.



80 %
Energy
Cost Reduction



60 %
Maintenance
Cost reduction

Electric Motor : 20 parts
vs. **Diesel engine : 2,000 parts**



TOTAL BODY PARTS
Parts for an Electric vehicle : 7 000
vs. **Parts for an diesel vehicle: 30 000**

Maintenance

Here are some of the advantages EVs have over ICE vehicles on the maintenance side :



NO OIL

There's no engine oil in an electric vehicle, the only oil you will find is in the differential and is replaced after 60,000 miles.



A LOT LESS MOVING PARTS

The EV engine contains around 18 moving parts compared to an ICE which contains more than 2,000 moving parts.



BUILT TO LAST

The components are built to last at least for the life cycle of the truck.



LONG-LASTING BRAKES

The use of regenerative braking allows the brake system to be use less frequently than a conventional vehicle.

