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ABB and Lion Electric partner to bolster e-mobility in North America

ABB has joined forces with Lion Electric to sell and service electric vehicle (EV) charging equipment, pushing the boundaries of e-mobility throughout North America

ABB has partnered with Lion Electric, an innovative manufacturer of zero-emission vehicles, to strengthen the transition to a zero-emissions future in North America. ABB will offer its complete charging equipment product line to Lion Electric, to be sold under Lion Electric's new Lion Energy infrastructure specialty division, making the Saint-Jérôme, Quebec-based company a service partner for ABB.

Lion Energy, the heavy-duty vehicle manufacturer's end-to-end infrastructure solution is designed to streamline the process of EV charging station installation. Lion Energy packages charging infrastructure design and review, project management, utility coordination and customized consultation to its customers, easing the complex process of charging station installation. Lion Energy ensures infrastructure installation is accomplished in tandem with the vehicle purchasing process, giving customers the capacity to meet the charging needs of current fleets and the ability to scale in the future.

Known for the most advanced EV charging solutions available, ABB's portfolio and services span the entire kW chain from compact, high-quality AC wallboxes to reliable DC fast charging stations, Terra 54 (Fast Chargers) and Heavy Vehicle Chargers. ABB will supply the full range of solutions to support the Lion Electric fleet which ranges from small buses to 300kw battery trucks.



Lion6 all-electric truck and Terra DC Wallbox ABB terminal

“Reinforcing our commitment to e-mobility, we are pleased to partner with Lion Electric as we share the same pioneering vision for an electrified future,” said Bob Stojanovic, ABB’s Head of EV Charging Infrastructure for North America. “Collaborating with innovative vehicle makers to ensure the vehicles and the charging work seamlessly is a crucial part of ABB’s mission to ensure electric transformation succeeds”.

“Over the past few years, Lion Electric has delivered hundreds of electric buses and trucks, and it has been a goal of ours to provide a complete turnkey charging infrastructure solution for our customers,” said Marc-Andre Page, Vice President of Commercial Operations at Lion Electric. “With our deep experience in EV charging, we are proud to partner with a segment leader like ABB to provide premium EVSEs to our customers. We feel the Lion and ABB partnership was a natural fit as both companies are pioneers in electrification and share a common goal of decarbonizing transit. We are looking forward to deploying ABB equipment and to offer a state-of-the-art charging infrastructure solution to our customers.”

Lion Electric will be trained to undertake the servicing of ABB’s smart, reliable and effective EV charging solutions. ABB’s futureproof charging hardware and software are designed to meet the needs of e-buses and trucks. ABB will also support the end customers’ installation of the charging equipment, making the implementation of electrification easier for school bus and transit fleets.

Over the last decade, Lion Electric has established itself as the clear leader in the all-electric school bus industry, having delivered over 300 all-electric school buses in the U.S. and Canada, more than all other players combined, in addition to benefitting from the largest order book in the industry. Lion also offers a portfolio of all-electric class 5 to class 8 trucks, available in various configurations. Lion’s proven track record and long-term operational history in the manufacturing of all-electric heavy-duty commercial vehicles serve as a significant competitive advantage in the all-electric truck market.

North America faces air quality challenges throughout the region. In 2018, Canada’s transport sector accounted for more than 35 percent of the country’s greenhouse gas emissions, according to the Government of Canada¹. The majority of these transport emissions were related to road transportation, which includes personal transportation, such as light-duty vehicles and trucks, and heavy-duty vehicles. The American Lung Association’s “State of the Air” 2020 report found that close to five in ten people—150 million Americans—live in counties affected by unhealthy ozone and/or particle pollution, the two most widespread air pollutants in the United States.

The widespread transition to zero-emission transportation technologies could produce emission reductions in 2050 that could add up to \$72 billion in avoided health harms, saving approximately 6,300 lives and avoiding more than 93,000 asthma attacks and 416,000 lost work days annually due to significant reductions in transportation-related pollution.²

Providing a reliable charging infrastructure that scales with the needs of large battery vehicles like buses and trucks plays a crucial role in paving the way for wider adoption of e-mobility. This partnership will help grow the EV charging infrastructure in North America by offering easier integration of the charging infrastructure needed to make transit, school bus and fleet electrification a reality. It will also accelerate the purchase of Lion Electric’s EVs and related services by eliminating the challenges related to EV adoption.

ABB has unrivalled expertise in developing sustainable transport solutions. Since entering the EV-charging market a decade ago, ABB has sold more than 14,000 direct current fast chargers across more than 80 countries. ABB also received the Global E-mobility Leader 2019 award for its role in supporting the international adoption of sustainable transport solutions.

ABB (NYSE: ABB) is a leading global technology company that energizes the transformation of society and industry to achieve a more productive, sustainable future. By connecting software to its electrification, robotics, automation and motion portfolio, ABB pushes the boundaries of technology to drive performance to new levels. With a history of excellence stretching back more than 130 years, ABB’s success is driven by about 110,000 talented employees in over 100 countries. www.abb.com

Lion Electric is an innovative manufacturer of zero-emission vehicles. The company creates, designs, and manufactures all-electric class 5 to class 8 commercial urban trucks and all-electric buses and minibuses for the school, paratransit, and mass transit markets. Lion is a North American leader in electric transportation and designs, builds, and assembles all its vehicles’ components, including chassis, battery packs, truck cabins, and bus bodies.

Always actively seeking new and reliable technologies, Lion vehicles have unique features that are specifically adapted to its users and their everyday needs. Lion believes that transitioning to all-electric vehicles will lead to major improvements in our society, environment, and overall quality of life.

Lion Electric, The Bright Move.

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¹ Report by the Government of Canada

² Report by the American Lung Association