

# Exro Proven to Dramatically Increase Performance of Electric Bikes in Independent Field Tests

written by Raj Shah | October 7, 2020

October 7, 2020 ([Source](#)) –

- *Motorino Electric Validates Electric Bike Performance Boost With Exro Coil Driver Technology*
- *Breakthrough for the Future of Advanced Bike Technology and Micro-Mobility Applications*
- *Focus on Commercial Product Strategies Into 2021*

Exro Technologies Inc. (TSXV:EXRO)(OTCQB:EXROF) (the “Company”), a leading technology company which has developed a new class of power electronics for electric motors and powertrains, is pleased to announce third-party testing has proven its patented Coil Driver technology dramatically improves performance of electric bikes.



Motorino Electric (“Motorino”), the Vancouver-based manufacturer and distributor of electric bikes and motorcycles, tested Exro’s technology through 2020 against a standard electric bike in the field. Testing found that the Exro-enhanced electric bike saw its performance increase by more than 20 percent, and up to 50 percent in climbing conditions. Exro will now start negotiations on a commercial product for 2021.

“The Exro-enhanced electric bike performed up to 50% better in climbing conditions during testing” commented Steve Miloshev, Founder and CEO of Motorino. “The Exro bike was noticeably more advanced going up the hills specifically, it sustained consistent high torque and speed immediately from the start all the way to the top of the hills. Our standard electric bikes were no match for it in a race through Vancouver.”

Exro’s Coil Driver technology can be added to an electric vehicle power train to make electric motors faster, stronger, and smarter. The electric bike field-tests results now indicate that Exro can be transformative for the quickly growing electric

bike and electric scooter market, which Allied Market Research reports will exceed USD \$23 billion by 2025.

“This is an amazing breakthrough not just in electric bike technology but also for micro-mobility applications,” stated Sue Ozdemir, Chief Executive Officer of Exro. “We couldn’t be more excited. This changes the model for enhancing the performance of electric bikes and other micro-mobility applications, to ensure we get more from the energy we put into batteries. I’m looking forward to moving into product commercialization for next year.”

### **About Exro Technologies Inc.**

Exro is a Clean Tech company that has developed a new class of control technology for electric powertrains. Exro’s advanced motor control technology, our “Coil Driver”, expands the capabilities of electric motors and powertrains. The Coil Driver enables two separate torque profiles within a given motor. The first is calibrated for low speed and high torque, while the second provides expanded operation at high speed. The ability to change configuration allows efficiency optimization for each operating mode, resulting in overall reductions in energy consumption. The controller automatically and seamlessly selects the appropriate configuration in real-time so that torque demand and efficiency are optimized.

The limitations of traditional electric machines and power technology are becoming more evident. In many increasingly prominent applications, traditional methods cannot meet the required performance. This means either oversizing the equipment, adding additional motors, or implementing heavy mechanical geared solutions. Exro offers a new solution for system optimization through implementation of its technology which can yield the following results: increased drive cycle efficiency, reduced system volume, reduced weight, expanded torque and speed capabilities. Exro allows the application to

achieve more with less energy consumed.

**For more information visit our website at [www.exro.com](http://www.exro.com).**

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