

Exro Technologies Partners with Global Commercial 100% Electric Vehicle Leader, Sea Electric

written by Raj Shah | July 16, 2020

July 15, 2020 ([Source](#)) – Exro Technologies Inc. (CSE:XR0)(OTCQB:EXROF) (“Exro” or the “Company”), and Australia’s SEA Electric Pty Ltd. (“SEA Electric”) are partnering to enhance electric powertrain technology for heavy-duty trucks and delivery vehicles.

Recognized as a global leader in the electrification of commercial vehicles, SEA Electric and Exro will co-develop and test powertrains based on Exro’s Coil Driver and the SEA-Drive technologies.

Founded in 2012, SEA Electric has successfully commercialized its proprietary SEA-Drive® electric power-system technology. SEA Electric products are now deployed in 5 countries, with collectively more than 1.6 million kms (1 million miles) of independently OEM tested and in-service operation, making it widely recognised as the market leader in the electrification of commercial vehicles.

“This is another application where the Coil Driver advantages are most apparent,” said Exro Chief Engineer, Eric Hustedt. “By implementing an overall system optimization in concert with our patented power electronics technology, we can improve gradeability without sacrificing speed range-all without the need for multispeed mechanical gearing, or a dual motor powertrain.”

The electric commercial vehicle market is growing quickly, partly because of the efficiencies and performance benefits they offer as well as government policies aimed at accelerating adoption to reduce carbon emissions. Motor Intelligence estimates the commercial vehicle market will surge from USD \$19.8 billion in 2020 to USD \$38.6 billion in 2025.

“We believe that the trend to electrification of truck and commercial delivery fleets is profound,” said Sea Electric CEO, Tony Fairweather. “We look forward to our partnership with Exro to continue developing powertrains that both serve existing and open new markets in this space.”

About SEA Electric

SEA Electric was founded in Australia in 2012 and is an automotive technology company that has created proprietary electric power-system technology (known as SEA-Drive®) for the world’s urban delivery and distribution fleets.

After 5 years of product development and field testing, SEA Electric launched its first model in 2017 once the cost of lithium-ion dropped below the USD300/kWh threshold. Since then SEA Electric has released 7 x, SEA-Drive® models, to power rear-wheel drive cargo vans/commuter buses and cab/chassis trucks from 3.5t (7,700 lbs) GVM to 29t (64,000 lbs) GVM.

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.

ON BEHALF OF THE BOARD OF DIRECTORS

Sue Ozdemir, Chief Executive Officer

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