EXRO Technologies Recognized With "Engine Tech Innovation of the Year" Award In 2022 AutoTech Breakthrough Awards Program

Annual Awards Program Recognizes Innovation in Automotive and Transportation Technologies Around the Globe

LOS ANGELES (PRWEB) October 13, 2022 -- AutoTech Breakthrough, a leading market intelligence organization that recognizes the top companies, technologies and products in the global automotive and transportation technology markets, today announced that Exro Technologies Inc. (TSX: EXRO, OTCQB: EXROF), a leading clean technology company that has developed a new class of power electronics for electric motors and batteries, and its Coil Driver technology has been selected as "Engine Tech Innovation of the Year" in the third annual AutoTech Breakthrough Awards.

Exro Technologies' Coil Driver is an advanced motor controller that uses artificial intelligence (AI) to achieve electronic gear switching in real-time, and at a cost that supports scale. Using next-generation control algorithms, Coil Driver can duplicate or expand the range of torque outputs achievable by electric powertrains within a single motor to reduce size and weight and increase operational efficiencies. Coil Driver is a dynamic, smart controller that serves as a new "brain" for electric motors and eliminates the need for multiple motors across all EVs. Designed to integrate with standard powertrains, Coil Driver delivers superior low-end torque and power, and more power and torque at high speeds. Additionally, Coil Driver delivers strong performance on variable terrains, a critical factor for heavy-duty vehicles and commercial fleets.

Exro is also supporting Tier 1 automotive supplier Linamar's entry into the electric powertrain space for medium-duty commercial vehicles, by designing and supplying gearbox and intelligent inverter solutions for high-speed low-torque and low-speed high-torque applications.

"We are thrilled to accept this award from AutoTech Breakthrough, in recognition of Coil Driver's ability to duplicate or expand the range of torque outputs achievable by electric powertrains from a single motor," said Exro CEO Sue Ozdemir. "Right now the automotive industry is trying to build a one-size-fits-all EV, but that is not the most efficient path to scaling EVs for commercial transport or mass adoption. With its ability to improve performance and reduce the total cost of ownership of EVs, Coil Driver will bridge the automotive industry's gap to electrification."

Potencia Industrial, Vicinity Motor Corp., Zero Motorcycles, LAND Electric Motors, and SEA Electric have successfully integrated Coil Driver with their motors, and have begun in-vehicle testing for performance in their EVs, buses, trucks, and motorcycles.

The mission of the annual AutoTech Breakthrough Awards program is to conduct the industry's most comprehensive analysis and evaluation of automotive and transportation technology categories, including Connected Car, Electric Vehicles, Engine Tech, Automotive CyberSecurity, Sensor Technology, Traffic Tech and many more. This year's program attracted more than 1,500 nominations from over 15 different countries throughout the world.

"Auto manufacturers currently use multiple motors and mechanical gearboxes to achieve various speed and torque profiles. Coil switching is the switching of electric motor configurations while in operation to optimize speed and torque — similar to how a gearbox changes the gears for a combustion vehicle as it changes speed,"

said Bryan Vaughn, Managing Director of AutoTech Breakthrough Awards. "Exro successfully combines two traditionally separate formats of power electronics: the series mode for low-speed torque and parallel mode for high-speed efficiency. With its ability to reduce EV costs and improve efficiencies, Coil Driver will bridge the automotive industry's gap to electrification. We're pleased to recognize Exro Technologies with the 'Engine Tech Innovation of the Year' award."

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About AutoTech Breakthrough

Part of Tech Breakthrough, a leading market intelligence and recognition platform for global technology innovation and leadership, the AutoTech Breakthrough Awards program is devoted to honoring excellence in automotive and transportation technologies, services, companies and products around the world. The AutoTech Breakthrough Awards program provides a forum for public recognition around the achievements of AutoTech companies and solutions in categories including Connected Car, Electric Vehicles, Engine Tech, Automotive CyberSecurity, Sensor Technology, Traffic Tech, Vehicle Telematics and more. For more information visit AutoTechBreakthrough.com

About Exro Technologies Inc.

Exro is a clean technology company pioneering intelligent control solutions in power electronics to help solve the most challenging problems in electrification. Exro has developed a new class of control technology that expands the capabilities of electric motors, generators, and batteries. Exro enables the application to achieve more with less energy consumed.

Exro's advanced motor control technology, the Coil DriverTM, expands the capabilities of electric powertrains by enabling intelligent optimization for efficient energy consumption. Exro is working with many partners from all over the world to bring their technology to the electric mobility industries and beyond.

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