

Hino Trucks Begins Real World Testing and Validation of Allison's Next Generation Fully Electric Axle on Track for Production Launch

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The Allison eGen Power™ 100D e-Axle Commences Testing and Validation in Hino's XL heavy duty vehicles.

INDIANAPOLIS--(BUSINESS WIRE)--Mar. 8, 2022-- Allison Transmission, a leading designer and manufacturer of conventional and electrified vehicle propulsion solutions, is pleased to report that Hino Trucks has completed the vehicle integration, and commenced testing and validation of Allison's next generation eGen Power™ 100D fully electric axle in its XL series heavy duty battery electric vehicles (BEVs), as Hino progresses towards start of production.

This press release features multimedia. View the full release here: <https://www.businesswire.com/news/home/20220308006301/en/>



Following the successful completion of vehicle integration, Hino has commenced testing and validation of Allison Transmission's eGen Power™ 100D e-Axle in its XL heavy duty vehicles at the Allison Vehicle Electrification + Environmental Test Center. Shown here, a Hino XL heavy duty vehicle prepares for a demonstration test on the test track at Allison's Global Headquarters in Indianapolis. (Photo: Business Wire)

"When evaluating the electric axles available in today's competitive market, Hino selected the Allison eGen Power 100D due to its outstanding benefits including electromechanical sophistication, a next generation controls system and industry-leading packaging," said Glenn Ellis, Senior Vice President of Customer Experience, Hino Trucks. "Allison

continues to be a true partner throughout the vehicle validation and development process. We appreciate their willingness to adapt and refine the e-Axle to meet our needs, and we're thrilled to partner with Allison to bring Hino's new, highly differentiated fully-electric heavy duty trucks to market."

Allison and Hino will jointly host a select group of customers for a Ride & Drive of the eGen Power 100D-equipped Hino XL battery electric tractor at Allison's Global Headquarters tomorrow, during NTEAs Work Truck Week.

"The next generation of our eGen Power 100D are now being built at our Auburn Hills, MI electric axle development and manufacturing facility," said Rohan Barua, Vice President, North America Sales, Global Channel and Aftermarket, Allison Transmission. "Allison's extensive investments and experience in electric hybrid technology allow us to be well positioned to commercialize a broad portfolio of fully electric propulsion solutions, including electric axles. We're proud to continue our longstanding partnership with Hino as we evolve our eGen family of electric propulsion solutions to meet the unique needs of our OEM and fleet customers."

One of the most powerful electric axle systems in the world, the fully integrated eGen Power 100D features two electric motors, each capable of generating 454 kW of continuous power, with peak combined power of 652 kW. The e-Axle integrates a two-speed gearbox within the central housing, enabling the high torque required to get heavy loads moving, while also offering the benefit of superior efficiency at cruise speed. The eGen Power 100D supports a 10.4-tonne or 23,000-pound gross axle weight rating and includes differential lock functionality. The performance and efficiency advantages directly translate to wide-ranging duty-cycles and increased range capability, optimizing the economic value the e-Axles deliver to end users.

Through Allison's global network of authorized distributors and dealers, Hino and its customers will have access to the training, service and aftermarket support needed to keep their vehicles running smoothly.

For more information on Allison's eGen Power portfolio of electric axles, please visit <https://www.allisontransmission.com/ev-solutions/egen-power>.

About Allison Transmission

Allison Transmission (NYSE: ALSN) is a leading designer and manufacturer of vehicle propulsion solutions for commercial and defense vehicles, the largest global manufacturer of medium- and heavy-duty fully automatic transmissions, and a leader in electrified propulsion systems that *Improve the Way the World Works*. Allison products are used in a wide variety of applications, including on-highway trucks (distribution, refuse, construction, fire and emergency), buses (school, transit and coach), motorhomes, off-highway vehicles and equipment (energy, mining and construction applications) and defense vehicles (tactical wheeled and tracked). Founded in 1915, the company is headquartered in Indianapolis, Indiana, USA. With a presence in more than 150 countries, Allison has regional headquarters in the Netherlands, China and Brazil, manufacturing facilities in the USA, Hungary and India, as well as global engineering resources, including electrification engineering centers in Indianapolis, Indiana, Auburn Hills, Michigan and London in the United Kingdom. Allison also has more than 1,400 independent distributor and dealer locations worldwide. For more information, visit allisontransmission.com.

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