



## Dana Introduces Spicer Electrified™ e-Transmissions for Commercial Vehicles

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### *Company Expands Electrification Portfolio for Medium-duty Applications*

ANAHEIM, Calif., May 2, 2023 /PRNewswire/ -- Dana Incorporated (NYSE: DAN), a leader in electrification solutions for clean commercial vehicle transportation, announced today an expansion of its Spicer Electrified™ e-Powertrain offerings to include a family of e-Transmissions for a wide variety of medium-duty electric-vehicle applications.



The technology will launch on a global electric vehicle platform in early 2024.

Spicer Electrified Zero-6 e-Transmissions optimize operating range and vehicle performance for applications ideally suited to a central drive e-Propulsion system with a conventional axle and driveshaft layout.

Leveraging Dana's in-house capability for motors, inverters, gearing, clutches, thermal management, and software solutions, the Dana engineering team brings the market a true integrated system. The new e-Transmissions have been engineered to provide the highest level of efficiency and performance with maximum startability, gradeability, and road speed. Other key features include:

- Dana high-efficiency motor and integrated inverter system, with silicon carbide technology and MOSFET power modules, providing peak performance and simplified installation in the vehicle through the elimination of high-voltage phase cables;
- An electromechanical actuation system, with patented Dana Graziano® clutch design, to maximize shift smoothness and efficiency;
- An optimized three-speed system with Ravigneaux gearing designed to seamlessly integrate Dana motor technology, offering maximum power density and productivity without compromise across a wide range of vehicles; and
- Dana OpenECU™ platform, leveraged across all Dana e-Propulsion technologies, to deliver next-generation control software, functional safety readiness up to ASIL C, and compliance with the latest vehicle cybersecurity engineering standard ISO/SAE 21434 and the UNR 155/156 regulations.

"Dana's commitment to providing sustainable solutions for clean transportation is reinforced by the development of Zero-6 e-Transmissions," said Ryan Laskey, senior vice president of Dana Commercial Vehicle Drive and Motion Systems. "This new technology is a significant step towards further electrifying the medium-duty commercial vehicle market, and we are proud to be at the forefront of this revolution."

Accommodating a gross vehicle weight rating up to 59,500 lbs., the Zero-6 e-Transmission series will be available in two models, the eS4700t and the eS7900t, offering 4,700 and 7,900 Nm of output torque, respectively. The Zero-6 currently holds six patents for advanced design, including a unique shifting method and arrangement, exclusive lubrication methods, and a design for manufacturability. The new e-Transmission accommodates a diverse range of medium-duty applications, such as straight trucks, walk-in vans, refuse trucks, utility trucks, platform trucks, and more.

Dana's Spicer Electrified Zero-6 e-Transmission will be on display at the Advanced Clean Transportation (ACT) Expo, along with the comprehensive Spicer Electrified offering, May 1-4, in Dana's booth, 5621.

### **About Dana Incorporated**

Dana is a leader in the design and manufacture of highly efficient propulsion and energy-management solutions that power vehicles and machines in all mobility markets across the globe. The company is shaping sustainable progress through its conventional and clean-energy solutions that support nearly every vehicle manufacturer with drive and motion systems; electrodynamic technologies, including software and controls; and thermal, sealing, and digital solutions.

Based in Maumee, Ohio, USA, the company reported sales of \$10.2 billion in 2022 with 42,000 people in 31 countries across six continents. Dana,

with a history dating to 1904, was named among the "World's Most Ethical Companies" for 2023 by Ethisphere and as one of "America's Most Responsible Companies 2023" by *Newsweek*. The company is driven by a high-performance culture that focuses on valuing others, inspiring innovation, growing responsibly, and winning together, earning it global recognition as a top employer. Learn more at [dana.com](https://www.dana.com).

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