



For Immediate Release

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Carrier Transicold Celebrates Two Decades of E-Drive™ All-Electric Technology

RUEIL-MALMAISON, France, August 30, 2018 — Carrier Transicold is celebrating the 20th anniversary of its industry-changing E-Drive™ all-electric technology, a patented innovation, which continues to deliver high standards of efficiency, reliability and performance to the transport refrigeration sector. [Carrier Transicold Europe](#) is a part of UTC Climate, Controls & Security, a unit of United Technologies Corp. (NYSE: UTX).

The innovative E-Drive technology, which is at the heart of Carrier’s Vector® trailer and Pulsor® van refrigeration systems and ECO-DRIVE™ GenSet power modules, removes mechanical transmissions found in belt-driven truck and trailer refrigeration systems and transforms engine power into electricity through a generator, thus reducing risks of leaks and emissions. This technology significantly reduces fuel consumption and results in a lower carbon footprint and quieter operation compared to diesel engine sound output.

“Carrier Transicold established itself as a true pioneer of next generation refrigeration technology when we created the first all-electric E-Drive system 20 years ago,” said Bertrand Gueguen, president, International Truck Trailer, Carrier Transicold. “As the technology has evolved over time, our customers are able to combine it with current and

future sustainable energy sources to maximize overall efficiency and dramatically reduce the environmental impact.”

E-Drive technology provides superior and reliable cold chain performance, making it suitable for the most temperature-sensitive goods, such as pharmaceuticals. Another benefit of the technology is electric-constant heating, which ensures maximum performance across multiple compartments even in extremely cold ambient conditions, when traditional systems can struggle to produce heat inside the trailer. For light commercial vehicles (LCV), the Pulsor unit’s E-Drive technology provides consistent multi-temperature capacity at any engine speed – providing peace of mind that the refrigeration unit will maintain the desired temperature even when the vehicle’s engine is idling in heavy traffic.

Two decades after its launch, E-Drive technology has helped many fleets reduce their environmental impact, while increasing unit uptime. The technology reduces refrigerant leak rates by up to 50 percent versus conventional systems that use standard technology, significantly cutting CO₂ emissions. It also removes 17 serviceable parts from the unit, substantially reducing maintenance and downtime and helping to deliver precise temperature control of up to +/- 0.8 degrees Celsius. For one British supermarket, E-Drive contributed to an impressive 99.7 per cent average fleet availability over a 12-month period.

Originally designed and launched on Vector trailer units, E-Drive technology was applied for use with LCVs with the launch of the Pulsor system in 2011. Later, in 2016, it was embedded into the company’s ECO-DRIVE GenSet power module, converting power from the truck’s engine into electricity to drive a new range of engineless refrigeration systems.

For more information on Carrier Transicold and its products and services, visit www.carriertransicold.eu. Follow Carrier Transicold on Twitter: [@SmartColdChain](https://twitter.com/SmartColdChain).

About Carrier Transicold

Carrier Transicold helps improve transport and shipping of temperature-controlled cargoes with a complete line of equipment and services for refrigerated transport and cold chain visibility. For more than 45 years, Carrier Transicold has been an industry leader, providing customers around the world with advanced, energy-efficient and environmentally sustainable container refrigeration systems and generator sets, direct-drive and diesel truck units, and trailer refrigeration systems. Carrier Transicold is a part of UTC Climate, Controls & Security, a unit of United Technologies Corp., a leading provider to the aerospace and building systems industries worldwide. For more information, visit www.carriertransicold.eu. Follow Carrier on Twitter: [@SmartColdChain](https://twitter.com/SmartColdChain).

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