



For Immediate Release

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Carrier Transicold Launches First Autonomous Electric Refrigeration System – the Vector eCool

RUEIL-MALMAISON, France, Oct. 8 2020 — Carrier Transicold has reaffirmed its commitment to reducing emissions, improving sustainability and increasing efficiency across the refrigerated transport sector with the launch of the first fully autonomous, all-electric engineless refrigerated trailer system, the Vector® eCool™. *Carrier Transicold is a part of Carrier Global Corporation (NYSE: CARR), a leading global provider of innovative heating, ventilating and air conditioning (HVAC), refrigeration, fire, security and building automation technologies.*

“We believe the Vector eCool represents the future of refrigerated trailer technology,” said Victor Calvo, president, Carrier Transicold International Truck & Trailer. “It’s one of the most exciting new products we have ever brought to market. The launch follows years of research and development, including extensive real-world testing with prototypes operating in customer fleets.”

Suitable for operation with the engineless versions of Carrier Transicold’s Vector HE 19 and Vector 1550 E, the Vector eCool combines the company’s E-Drive™ all-electric technology with a new cutting-edge energy recovery and storage system. This converts kinetic energy generated by the trailer into electricity, which is then stored in a

battery pack to power the refrigeration unit. This loop creates a fully autonomous system that produces no direct carbon dioxide (CO₂) or particulate emissions.

When the refrigeration unit is operating on battery power, Carrier Transicold's energy management system will automatically switch on when the charge reaches a certain level and condition, initiating the generator to recharge the battery to ensure full refrigeration capacity.

The eCool system can also be plugged into the electrical grid when the trailer is parked and will fully charge in under four hours. On the road, the battery pack is recharged using power generated by the axles and the kinetic energy created under braking.

When used with Carrier Transicold's flagship Vector HE 19 unit, the Vector eCool can provide even further reductions in energy consumption*. Even with the system's axle generator and battery pack fitted, it is still significantly lighter than a standard diesel unit with a full tank of fuel.

The Vector eCool is also PIEK-compliant, meaning when used with the City versions of the Vector HE 19 and Vector 1550 E, operating noise is below 60 dB(A). Combined with its emissions performance, the Vector eCool provides the ultimate solution to ever-tightening inner-city and urban regulations.

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) and on LinkedIn at [Carrier Transicold Truck Trailer Refrigeration](#)

*in comparison with the same system installed with the engineless Vector 1950.

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 50 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 Carrier Global Corporation, a leading global provider of innovative HVAC, refrigeration, fire, security and building automation technologies. For more information, visit www.carriertransicold.eu. Follow Carrier on Twitter: [@SmartColdChain](https://twitter.com/SmartColdChain) and on LinkedIn at [Carrier Transicold Truck Trailer Refrigeration](https://www.linkedin.com/company/carrier-transicold).

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