



VECTOR eCool™

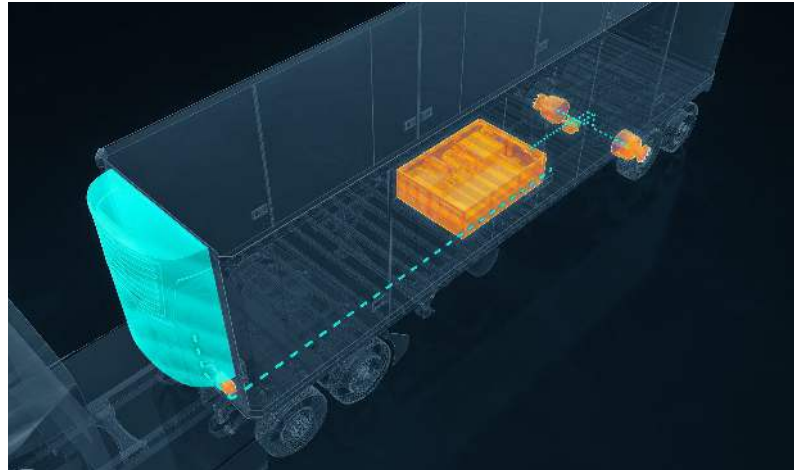


ZERO-EMISSION REFRIGERATED TRAILER SYSTEM

Driving the Future with Sustainable Cooling Technology

Carrier Transicold is advancing its portfolio of zero-emission transport refrigeration solutions for North America with the release of a refrigerated trailer system that sustainably creates its own power using leading-edge energy recovery and storage.

At the core of the new trailer system is Carrier Transicold's Vector™ refrigeration unit, which uniquely uses E-Drive™ all-electric refrigeration technology that is ideally adaptable to a power solution which utilizes innovative in-wheel motor technology to capture and store clean, regenerative energy.



The zero-emission refrigeration system utilizes regenerative energy captured by the leading-edge energy recovery and storage system and stores it in a battery under the trailer (orange) for use by the Vector refrigeration unit mounted on the front of the trailer.

A New Generation System

The new Vector eCool™ system offers the potential to eliminate the engine and generator, producing "free" electricity without the fuel consumption, emissions and engine noise typically associated with conventional trailer refrigeration systems.

With the Vector eCool system, electricity can be provided by an in-wheel electric motor application that repurposes energy from coasting and braking. This new technology creates ample power to run the Vector unit emissions-free.

Key Benefits



ZERO EMISSIONS

No engine/No emissions. When parked, run the refrigeration system via stored battery power, regenerative energy, or shorepower.



SUSTAINABLE

Low-GWP refrigerants and regenerative energy make for a greener fleet.



EFFICIENT

E-Drive maximizes efficiency while reducing maintenance associated with conventional diesel refrigeration units.



QUIET

Eliminates diesel engine noise, resulting in noticeably quieter operations.

