



## CASE STUDY: DAWSONGROUP



### DAWSONGROUP

With more than 85 years' experience in the commercial vehicle sector, Dawsongroup truck and trailer provides bespoke vehicle hire and rental services through its mixed commercial fleet of more than 11,000 vehicles.

A Carrier Transicold customer for more than 25 years, Dawsongroup has added its first three new Carrier Transicold Vector® eCool™ units, showing customers the sustainability benefits of the world's first fully autonomous, all-electric engineless refrigerated trailer system.

### THE CARRIER TRANSICOLD SOLUTION

The initial three new Carrier Transicold Vector eCool units join a temperature-controlled rental fleet of close to 2,000 trucks and trailers – of which 90% is Carrier cooled.

The units are paired with the engineless versions of the Carrier Transicold Vector HE 19 MT (multi-temperature) and Vector 1550 on two 13.6-metre trailers, with an additional Vector HE 19 MT mounted on a smaller double-axle urban trailer, all built by Gray & Adams.

The Vector eCool unit combines Carrier Transicold's E-Drive™ all-electric technology, complete with a new cutting-edge energy recovery and storage system. This converts kinetic energy generated by the trailer axle and brakes into electrical power, which is stored in a battery pack that powers the refrigeration unit, producing no direct CO<sub>2</sub> or particulate emissions.

Dawsongroup is using the trailers to demonstrate how effective the system is at lowering fleet emissions to its customer base, proving how simply and effectively it can fit into standard operations without the concerns and constraints typically associated with engineless technologies.

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John Fletcher, Managing Director,  
Dawsongroup

### THE RESULTS

The all-electric Vector eCool system is also PIEK-compliant, meaning its operating noise is below 60 dB(A), which combined with its emissions performance means it offers the ultimate solution to tightening inner city and urban regulations, while creating a more harmonious working environment for drivers.

“We’ve been working with Carrier for more than 25 years,” said John Fletcher, Managing Director, Dawsongroup. “They are peerless in the industry for quality, support and innovation – so we were excited to see the Vector eCool in action, and we weren’t disappointed.

“Now, we want to showcase these trailers to customers so that they can see for themselves how the technology can deliver a cost-effective alternative to diesel power that ticks all the right boxes from an environmental perspective.”

The trailers can also be plugged into the electrical grid when parked and fully charged in just two hours using a standard five pin, three-phase standby plug, further enhancing the system’s sustainability credentials.

“With the cost of fuel in general going through the roof, this technology ties in closely with what we are trying to promote as a business to our customers. We want to be able to show that there are workable alternatives – which mostly come from Carrier – available for all types of temperature-controlled vehicles, and we’re certain the Vector eCool system will fit into that bracket perfectly,” added Fletcher.

