

Coca-Cola® reduces fuel use and CO2 emissions by approximately 20% with the XL3® Hybrid Electric Drive System

The world's largest beverage company is reducing its operational expenses and shrinking its carbon footprint by converting to the XL Hybrids Electric Drive System.

Challenge

Reduce per-mile transportation expense and carbon footprint.

Solution

Upfit 280 Chevrolet service vans with the XL3 Hybrid Electric Drive System and measure results through XL Link™ wireless data connectivity system.

Vehicles

Chevrolet vans upfitted with the XL3 Hybrid Electric Drive System. Installation by Knapheide Manufacturing and Riverside Vans.

Results

Over 9 million service miles the vans with the XL3 hybrid system used approximately 20% less fuel compared to Coca-Cola's conventionally-fueled vans. (This is equivalent to 25% improvement in miles driven per gallon). Additionally, the hybrid vans are expected to eliminate about 6,000 total metric tons of carbon dioxide emissions that conventional fuels would produce over their 10-year life span.

Media Coverage

Twenty-six unique pieces of coverage that reached 24 million readers in major publications such as USA Today, GreenFleet, and Fleet Owner.



Hybrid Fleet Electrification Numbers

20%

Reduction in Fuel Use per Van

(Equivalent to 25% improvement in miles driven per gallon.)

9+ million

Cumulative Road Miles

99.9+%

Hybrid Vehicle Uptime

Over

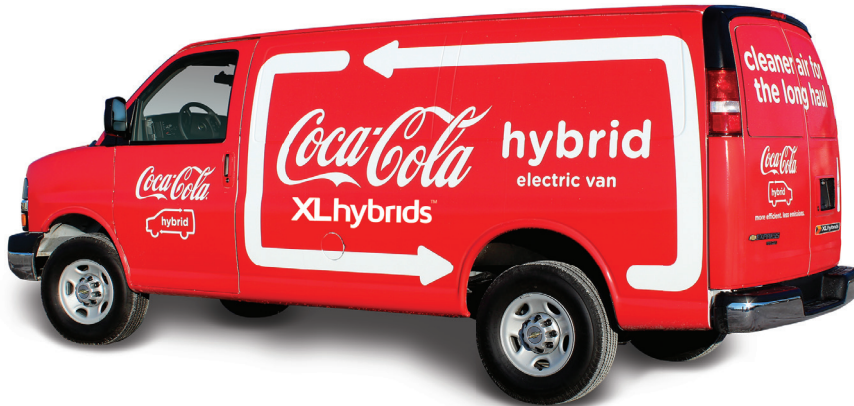
\$20,000

per van in Net Operational Savings*

* Based on brake maintenance savings, engine downsize, fuel savings, and driver productivity.



Coca-Cola® converts all newly purchased Chevrolet Express service vans into fuel-efficient hybrid electric vehicles using XL Hybrids' technology



Coca-Cola operates the largest heavy-duty hybrid electric delivery fleet in North America. The company is partnering with XL Hybrids to upfit all new vans with the innovative XL3® hybrid electric drive system.

After converting 280 service vans to hybrids and driving more than 9 million service miles, vehicles with the XL3 hybrid electric drive system showed an approximate 20% reduction in gallons of fuel used compared to Coca-Cola's conventional vans.

"There are fuel savings and potential maintenance savings. The XL3 powertrain unit pays for itself three times over its lifespan due to these savings."

– North American Fleet Asset Manager, Coca-Cola North America

Additionally, Coca-Cola's investment in XL Hybrids' technology supports the company's goal to reduce its carbon footprint by 20% by 2020.

As Tony Eiermann, fleet manager, asset and value management for Coca-Cola Refreshments noted in Automotive Fleet, "This technology offered an option that provided low maintenance and fuel savings. It was also able to work with our existing fleet structure." As a result, the company is continuing to place orders with XL Hybrids.

Case study



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About XL Hybrids

XL Hybrids has pioneered a hybrid electric powertrain that is revolutionary in its simplicity. Our powertrain technology is charge sustaining, which eliminates the need for plugs, return-to-base fueling, and added operating and maintenance costs. Our hybrid system saves fuel through regenerative braking, a process by which the electric motor helps slow the vehicle when driver brakes, charging the battery. When the driver accelerates, the battery releases the energy to the electric motor, helping propel the vehicle.



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Credits: Automotive Fleet;
Coca-Cola Journey™