

Fleet Efficiencies and Upgrades

As a top provider of asset-based LTL freight services in North America and the owner of one of the largest road fleets in Europe, we recognize our responsibility to lead the industry in innovation and sustainability. We are leveraging our scale to reduce our carbon footprint and focusing on improving the overall efficiency of our resource consumption.

With operations spanning North America and Europe, we have the scale to experiment locally and implement industry-leading improvements continuously. Ongoing initiatives include modernizing and upgrading our tractors, trailers and facilities; deploying cleaner fuels (such as premium diesel, biodiesel, natural gas, biogas and electricity, where practical); and deepening our use of data and software analytics to improve the efficiency of routing, loading and handling.

As climate concerns deepen, we see the imperative of investing in cleaner, more efficient solutions. Diesel will not be the industry's long-term solution, so we're continuing to explore alternatives, such as lighter vehicles, smaller-format vehicles and emerging zero-carbon fuel options, including electric vehicles (EVs).

The shift to EVs is already impacting our clients' needs. We're shipping growing volumes of batteries and related components as suppliers and carmakers ramp up EV output. For our own fleet, we're exploring the promise of EVs, particularly as a zero-emission alternative to diesel for urban deliveries in areas where tailpipe exhaust rules are growing stricter. With our first electric truck entering service in 2021 in the US, we're expanding our understanding of how and where to best use EVs. Recently, we also announced the addition of fully electric trucks to our French and Spanish fleets.



**PILOTING A ZERO-EMISSIONS
ELECTRIC TRUCK THROUGH
THE BAY AREA**

In partnership with Daimler, we're piloting a new all-electric truck on a route in the San Francisco Bay Area. Drivers are expecting to see more electric rigs on their lots, and many are excited to embrace them.

When our test rig — the eCascadia, made by Daimler subsidiary Freightliner — goes into commercial production, it will have 250 miles of range, drawing on a 475 kilowatt-hour battery. Learn more about the promise of this emissions-free rig [in this video](#).



XPO INTRODUCES FIRST FULLY ELECTRIC TRUCK IN SPAIN AND FRANCE

In October, we introduced the first fully electric trucks in our French and Spanish fleets, in partnership with Renault and Volvo Trucks. In Spain, the new Volvo FL Electric two-axle truck is designed for clean and quiet operation, with a range of 300 kilometers. It will be dedicated to night deliveries for the Inditex group in central Madrid. Our team will monitor performance with the goal of reducing carbon emissions.

“The addition of the Volvo FL Electric truck to our Spanish fleet is an important step forward in the environmental sustainability of our operations,” says Massimo Marsili, managing director, Southern Europe and Morocco. “We’ll continue to explore innovations in alternative power and work with our customers and suppliers to achieve greener supply chains.”

In France, the 16-ton Renault vehicle will be used to transport LTL palletized freight from our hub in Jonage to destinations in the Lyon area. The truck operates with zero direct CO₂ emissions and zero fine particle pollution.

“The transport industry is becoming increasingly aware of the need to develop low-carbon road freight options,” says Bruno Kloeckner, deputy managing director, France. “This is an opportunity for us to lead by example as one of the largest transport networks in France. The Renault Trucks electric D Z.E. model is a practical alternative to diesel in city settings, and another step forward in our commitment to lower the environmental impact of our operations.”

Our all-electric delivery option is our latest investment in helping customers to achieve greener supply chains. We have one of the most modern and safety-equipped transport fleets in Europe, managed by digital technology for end-to-end efficiency. Approximately 98% of our European fleet complies with Euro V, EEV and Euro VI emission regulations, with over 90% Euro VI compliance. We also have over 200 liquefied natural gas (LNG) vehicles that emit up to 70% less NO₂ than the limit allowed in Europe. In Spain, our 25 mega-trucks accommodate up to 65% more payload than typical trucks, helping to reduce CO₂ emissions by about 20%.

