

Posti Freight Services implements the largest biogas-powered heavy traffic fleet in Finland - 10 new biogas trucks across the country this year

27-10-2020

Posti Freight Services received a notable addition to its fleet of gas-powered trucks when the first LBG trucks that run on liquefied biogas arrived at the Vantaa freight terminal. Liquefied biogas reduces emissions over the lifecycle of the fuel by up to 90 percent.

This investment is part of Posti's 10-year target of becoming emissions-free by 2030.

Liquefied gas is commonly used in heavy traffic, but liquefied biogas is still relatively rare. The LBG trucks of Posti Freight Services will become the largest LBG fleet owned by one operator in Finland.

The 10 LBG trucks will be implemented in stages by the end of this year, and they will be used in the line haulage of Freight Services across Finland. The gas-powered fleet will comprise a total of 16 vehicles; the new LBG trucks and the LNG (Liquefied Natural Gas) vehicles which Posti purchased earlier.

The 10 LBG trucks will reduce the carbon-dioxide emissions by 1,620 tonnes, which is the equivalent of driving approximately 8.6 million kilometers in a passenger car. This corresponds to driving around the world 215 times. LNG, on the other hand, reduces

greenhouse gas emissions over the fuel lifecycle by over 20 percent compared to fossil diesel.

- As a pioneer in the field, we play an important role in developing and implementing energy-efficient and sustainable transport solutions. For a long time, we have developed our operations to reduce the emissions from our freight transports. In addition to gas-powered vehicles and alternative fuels, our environmental measures include target-oriented route planning, a method that develops quickly thanks to new technologies and procedures. We reduce our environmental impact also by actively monitoring driving habits and updating our service level agreements, says Antti Wikström, Vice President of Posti's Freight Services.

The new LBG trucks have HCT (High Capacity Transport) accessories. In other words, an LBG truck can be converted into a large

68,000-tonne truck by using dollies and B links. An HCT truck has an approximately 30% higher transport capacity compared to regular combination vehicles.

- We transport the same amount of goods with three HCT combination vehicles as with four regular combination vehicles. This enables significant reductions in kilometers driven and, consequently, lower emissions, Wikström continues.

Economical and environmentally responsible driving can reduce fuel consumption by approximately 10–15 percent. All of the Freight Services vehicles in Finland feature driving style monitoring equipment that lets the driver see the effect their driving style has on fuel consumption and the reduction of emissions.

- Small streams make big rivers when it comes to reducing emissions, and transport companies can do a lot to change things. Our service offering, investments in optimal, green vehicles and the continuous improvement of the efficiency of our operations yield environmental benefits and make our business more profitable. Although we still have a long way to go, I can see many concrete things we have done for the environment.

Purely on Gasum's biogas

The use of the new LBG trucks has been

designed so that the gas stations are conveniently located along the route or near the terminal.

- Posti leads the way in sustainable transportation by selecting renewable biogas as the fuel for its line haulage. We are moving from piloting to implementing these proven low-emission fuel solutions at a larger scale. Using biogas in traffic is an effective way to mitigate climate change and reduce greenhouse gas emissions at all lifecycle stages of the fuel by up to 90 percent. Liquefied natural gas (LNG) is also part of our solution for cutting the emissions from logistics, says Juha-Matti Koskinen, Sales Manager for Traffic at Gasum.

The heavy traffic investments in Freight Services are in line with Posti's environmental program, the aim of which is to eliminate emissions from Posti's operations. In the spring, Posti announced its intention to use renewable diesel in its online store parcel deliveries. Posti also has an extensive selection of other environmentally friendly vehicles that are powered with, for example, ethanol fuel, biogas, electricity, and renewable diesel. In mail delivery, 38 percent of all deliveries to private customers already use electricity, such as electric bicycles, electric scooters, electric delivery carts, and, of course, electric cars.

Source: [Posti](#)