



### Green Flying:

Reduction  
of specific  
CO<sub>2</sub> emissions.

## Cargo Climate Information.

### Emission reduction through digitalization: Lufthansa Cargo is promoting the development of eFreight.

The long-term reduction of CO<sub>2</sub> emissions has top priority at Lufthansa Cargo. As an airline, measures aimed at saving kerosene are our greatest leverage, which is why we keep the weight on board our aircraft as low as possible. The transport of documents is one significant factor in this context.

The amount of documents needed in the airfreight sector every year is still enough to fill 80 Boeing 747-400 Freighters. If you were to stack the freight documents on top of each other, they would add up to almost 20 times the height of Mount Everest. This quantity means not only 7,800 tons of paper that could be saved, but also a reduction in fuel consumption: Every kilogram Lufthansa Cargo permanently removes from board leads to savings of eight tons CO<sub>2</sub> a year.

The digital air waybill (eAWB) reduces the volume of documents by up to 65 percent. A physical AWB accompanying an airfreight shipment from the consignor to the recipient can be up to twelve pages long and weighs around 36 grams. With a quantity of roughly 1.5 million AWBs at Lufthansa Cargo in 2015, full implementation of the new digital approach would make it possible to cut CO<sub>2</sub> emissions by 225.3 tons thanks to the reduction in weight alone. A further benefit is the reduction in administrative, recycling and storage costs.

Lufthansa Cargo successfully completed the introduction of the eAWB process worldwide in 2015. Today, 137 stations are able to handle consignments without printed air waybills, accounting for some 85 percent of Lufthansa Cargo's shipments. The legal and official standards still need to be established at the remaining stations. Thorsten Friedrich, Head of the eAWB Global Rollout Project, says: "Step by step, Lufthansa Cargo is now increasing the share of paperless shipments, thereby constantly modernizing our logistics network." The eAWB Single Process, which is particularly easy for customers, has been implemented worldwide to keep processes as simple as possible.

The introduction of the eAWB process marks a first step toward paperless cargo handling. However, Lufthansa Cargo continues to focus on additional measures in order to reach its ambitious environmental target of reducing the airline's specific CO<sub>2</sub> emissions by 25 percent by 2020 (basis: 2005). To get there, Lufthansa Cargo will also continue promoting the digitalization of all other transport documents to achieve full digitalization throughout the transport chain by 2020.



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