



Green Flying:
Reduction of
specific CO₂
emissions.

Cargo Climate Information.

Every kilo counts: The MD-11F fleet slims down.

The Lufthansa Cargo freighter fleet is now flying even more efficiently: Every single MD-11F has “lost” 35 kg. This is the result of the “clear-out.” Pilots, technicians and employees from flight operations searched an aircraft from top to bottom, looking for unnecessary weight. The goal was to identify objects that did not necessarily need to be on board or could be replaced with lighter ones. In the process, they removed, weighed and documented a total of 344 parts with a total weight of around 400 kg. Each of these parts was then analyzed and tested for savings potential.

Half of the approximately 20 ideas with potential for reducing weight have already been implemented. In the future, cockpit manuals – which are also available in electronic form – and the heavy protective coverings on the courier seats in the galley are among the items that will no longer be on board. The curtains that separate the galley from the freight hold will become lighter. Old, heavy flashlights will be replaced with modern LED lights. Lufthansa Cargo will save 80 tons of fuel and accordingly 250 tons of CO₂ a year in the future just by losing these 35 kg. That is enough for an MD-11 Freighter to fly from Frankfurt to Dakar and back.

“In 2014, we are working on two more ideas that will result in an additional 80 kg of weight reduction. We will replace the lighting in the main cargo compartment: The old, high-maintenance fluorescent lights will be replaced by light, sturdy LEDs. We will also replace the heavy ottomans in the crew rest compartment with lightweight versions,” explains Björn Ostertag, Head of Fuel Efficiency & Punctuality at Lufthansa Cargo.

The results show that even small numbers can have a big impact. After all, every kilogram Lufthansa Cargo is able to remove permanently from the aircraft saves nine tons of CO₂ a year. “This brings us yet one step closer to our goal of reducing specific CO₂ emissions by 25 percent by 2020 compared to the baseline 2005,” adds Bettina Jansen, Head of Environmental Management.



Lufthansa Cargo
Networking the world.



Contact:

Lufthansa Cargo AG
Bettina Jansen,
Head of Environmental Management
Email: bettina.jansen@dlh.de

Bettina Mörth,
Environmental Manager
Email: bettina.moerth@dlh.de

www.lufthansa-cargo.com/green

