



LUFTHANSA GROUP

Climate 3-5-0



Our position on climate policy

September 2019

Climate 3-5-0

Our position in the current climate debate:



3 time horizons



5 core messages



0 ambiguity

3 time horizons for climate protection in aviation

1

Short term: with new, more fuel-efficient aircraft

The Lufthansa Group will be receiving a new aircraft every two weeks on average over the next ten years. CO₂ reduction: up to 25% compared to previous models.

2

Medium term: efficient air traffic management

A 'Single European Sky' would make CO₂ reductions of up to 10% in European air transport possible.

3

Long-term: supplementary use of synthetic fuels (Power-to-Liquid)

This will make carbon-neutral flying likely possible in ten years' time.

5 **core messages** to classify the current discussion on climate

1

The most important contribution to CO₂ reduction...
is investment in new aircraft.

2

We need a funding cycle...
for a targeted investment of the air transport tax into climate protection measures.

3

Domestic flights are indispensable as feeder flights...
eliminating them would only lead to relocation effects, detours and increased CO₂ emissions.

4

Introducing a national kerosene tax...
would have a distorting effect on competition.

5

We offer our customers a variety of ways to compensate for their flights...
through 'myclimate' climate protection projects and the option of adding alternative fuels through 'Compensaid'.

O **ambiguity** regarding our position



We make our contribution:

Germany: investing billions in new aircraft / air transport levies

Europe: carbon neutral growth in Europe since 2012 (EU-ETS)

Worldwide: internationally carbon neutral growth as of 2021 (CORSA).



We stand by our responsibility:

the roughly 3% share of civil aviation in global CO₂ emissions obliges us to act.



Air transport levies must benefit climate protection:

For example, for the development, production and promotion of synthetic fuels or the modernization of ATC technology.

Milestones 2019

on climate & environmental responsibility

- ✓ **Business trips:** All Lufthansa Group business flights are CO₂-neutral since 2019.
- ✓ **Fleet modernization:** Lufthansa Group orders 40 highly efficient long-haul Boeing 787-9 and Airbus A350-900 aircraft.
- ✓ **Sustainable flying:** Lufthansa Innovation Hub launches compensation platform "Compensaid": Travelers can replace fossil fuel for their flights with Sustainable Aviation Fuel (SAF).
- ✓ **Synthetic fuel:** Letter of intent between the Heide refinery and Lufthansa for the production and acceptance of environmentally friendly synthetic kerosene.
- ✓ **Waste recycling:** Austrian Airlines extracts synthetic crude oil from used plastic cups.
- ✓ **CO₂ compensation:** Edelweiss integrates this option directly into the booking process.

- ✓ **Recycling:** With SHARE, Eurowings offers the first 100% recycled PET water bottle on board.
- ✓ **Corporate clients:** Lufthansa Group starts test run on CO₂ offsetting for corporate customers in the DACH region.
- ✓ **Plastic reduction on board:** With the SALSA team (Sustainability Aviation Lufthansa Swiss Austrian), Lufthansa Group makes on-board and lounge products more sustainable.
- ✓ **Upcycling:** Miles & More sells products made from sustainably recycled aircraft materials in the Lufthansa WorldShop.
- ✓ **Efficiency record:** Our aircraft today only need an average of 3.65 liters of kerosene to fly a passenger 100 kilometers – this is the lowest figure in our company's history!
- ✓ **E-Mobility and green electricity:** Conversion to CO₂-neutral vehicles on the ground (by 2030).



Upcoming: marketing label of the Network Airlines

Going forward, the 'mindfultravel' label will provide a visual and content-related frame for the communication of all measures by the Network Airlines in the area of resource conservation, the environment and climate.

With this, Lufthansa, SWISS and Austrian Airlines are positioning themselves as the most sustainable airlines in the aviation industry.



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Thank you
for your attention

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