

Corporate SAF Program

Air France and KLM sustainability

December 2021

Air France and KLM proudly partner with





AIR FRANCE AND KLM SUSTAINABILITY

EFFORTS AND ACHIEVEMENTS

AIR FRANCE-KLM GROUP SUSTAINABILITY ACHIEVEMENTS IN 2019

KEY FIGURES ENVIRONMENT

22

new, quieter, more efficient
aircraft added to the fleet



30%

lower CO₂ emissions per
passenger km compared
to 2005

32%

less CO₂ emissions
produced by ground operations
compared to 2018

31%

less non-recycled waste
compared to 2011

43%

noise reduction per movement
compared to 2000

OUR COMMITMENT TO UN SUSTAINABLE DEVELOPMENT GOALS

BY 2030



AIR FRANCE-KLM GROUP TARGETS

-50%

CO₂ efficiency per passenger kilometer
(Compared to 2005)

0

emission of ground operations

-50%

non recycled waste
(Compared to 2011)

Contributing to the UN SDGs



MAJOR PLAYER IN DOW JONES SUSTAINABILITY INDEX



The Air France-KLM Group is recognized as industry leader in the Dow Jones Sustainability World Index for the 16th consecutive year

It acknowledges Air France-KLM's relentless long-term commitment towards a more sustainable future



SUSTAINABLE AVIATION FUEL (SAF)

WHAT IS SAF AND WHY IS IT ONE OF THE KEYS TO THE FUTURE OF FLYING?

WHY IS THE SHARE OF AVIATION IN CO₂ EMISSIONS INCREASING?

- Growing number of passengers
- Decarbonization of other sectors (for instance alternatives such as electric cars)



Without action, the share of aviation is increasing and will be responsible for more than a fifth of the global CO₂ emissions.

LET'S MAKE FLYING MORE SUSTAINABLE

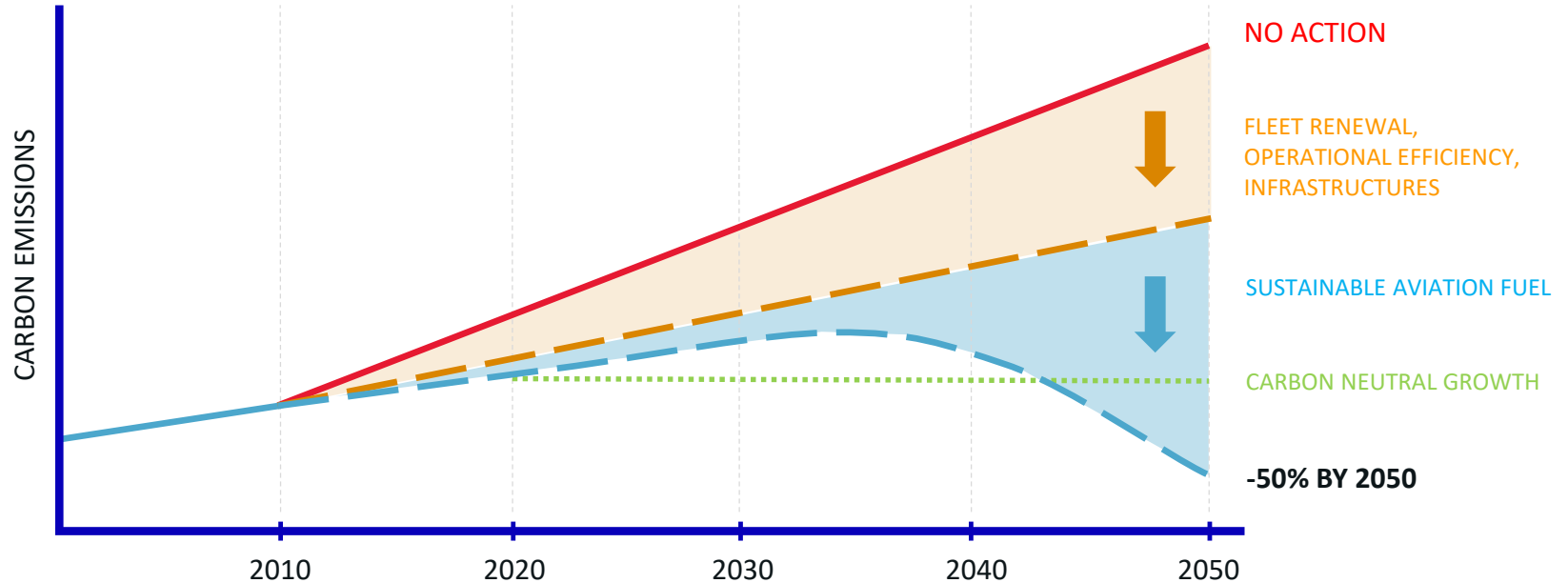
Options to reduce carbon footprint are limited



Or compensate CO₂ emissions (CO₂ offsetting)

THE ESTIMATED IMPACT ON CARBON EMISSIONS IN THE AVIATION INDUSTRY

Sustainable aviation fuel is key in reducing carbon emissions



WHAT IS SAF?

SAF...



...is made from renewable sources like used cooking oil, straw and wood residues

...used by Air France and KLM is truly sustainable and certified as such



...is not yet available on a large scale.

Usage and production should be accelerated

75%

...is proactively reducing emissions by at least 75%



...is produced in a cleaner, circular process and contributes to a circular economy

...is a so called drop-in fuel, it blends perfectly with fossil fuel



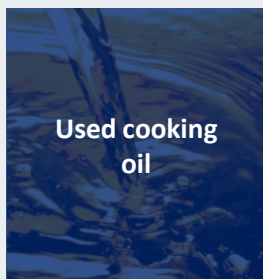
FEEDSTOCK AND OTHER CRITERIA

SAF must meet certain sustainability criteria, eg. limited fresh-water requirements, no deforestation, no competition with needed food production. The suitability of feedstock for SAF is carefully scrutinized.

Air France and KLM only use SAF that is truly sustainable and certified as such (meeting ASTM, RED2, RSB standards).

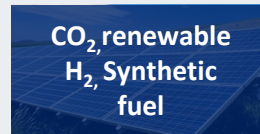
CURRENT FEEDSTOCKS

- ✓ High cost
- ✓ Relatively easy to convert to jet fuel
- ✓ Availability of sustainable feedstock is an issue

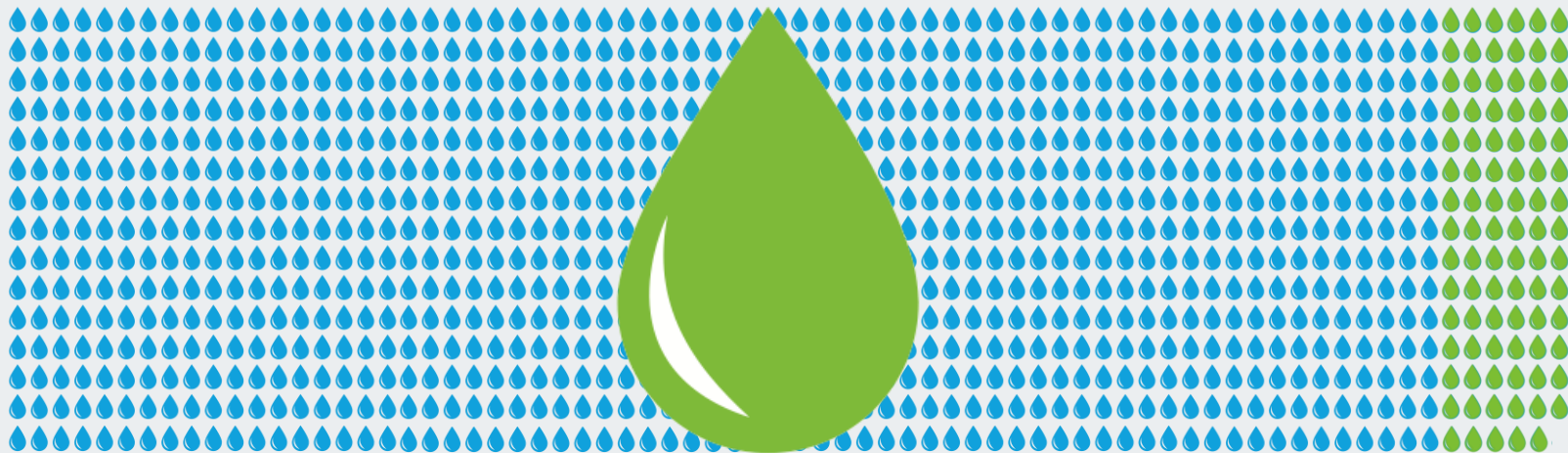


EXAMPLES OF FUTURE FEEDSTOCKS

- ✓ Higher volume
- ✓ Significant technical challenges conversion to SAF
- ✓ Abundantly available



CURRENT SAF USAGE



Today, less than 0.1% of the roughly 300 million tons of jet fuel used by commercial airlines is SAF. We need to accelerate its usage and production on short term to make flying more sustainable.

**ONLY TOGETHER, WE CAN BRING
SUSTAINABLE AVIATION CLOSER**

PIONEERING IN THE USE OF SAF



2008	The Air France KLM Group becomes member of Roundtable on Sustainable Biomaterials (RSB) to ensure supply of sustainable feedstock
2011	First commercial Air France and KLM flights with SAF
2012	Launch of KLM Corporate BioFuel Program
2013-2020	Ad hoc availability of SAF at different destinations
2014-2016	Air France corporate biofuel program calls Lab line.
2016	As of 2016: all KLM flights Los Angeles – Amsterdam with SAF (1400+ flights)
2019	Air France A350 delivery flights with SAF
2021	Launch Corporate SAF Program: joint Air France and KLM offer to corporate customers KLM makes first passenger flight with sustainable synthetic fuel
2023	Sustainable Aviation Fuel plant in NL and FR



**Making flying
more sustainable**

There
you go

CORPORATE SAF PROGRAM

MAKING FLYING MORE SUSTAINABLE: WE CAN DO THIS TOGETHER

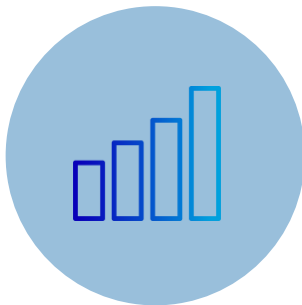


MAKING SAF AVAILABLE AROUND THE GLOBE

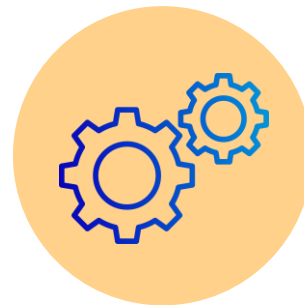
To make a significant impact on aviation's overall carbon emissions, we need your support.
Only together, we can bring sustainable aviation closer:



✓ **Raise awareness for the SAF market**



✓ **Stimulate SAF demand and usage**



✓ **Optimize SAF production**

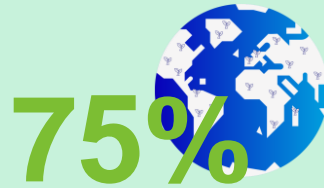
BENEFITS OF THE PROGRAM

Partners in development of SAF



Become a pioneer in sustainable aviation and support the transition from fossil fuel to SAF

Reduce CO₂ emissions



Reduce the footprint from business travel by at least 75% and support your sustainability goals

Marketing exposure

Exposure, media coverage and (press) event possibilities for a wider audience: both external stakeholders as well as your employees

Reporting & Certification

Annual Sustainability Report verified by an independent third-party auditor



THANK YOU

Air France and KLM proudly partner with