



AIR FRANCE KLM
CORPORATE SAF PROGRAM
CUSTOMER REPORT 2022

Schwäbische Werkzeugmaschinen GmbH

Official partner 2022



Table of contents

Carbon Savings

3

Appendix I: Life Cycle Analysis of the SAF

Appendix II: Auditor's report on Sustainable Aviation Fuel 2022

Appendix III: Calculation carbon emission reduction

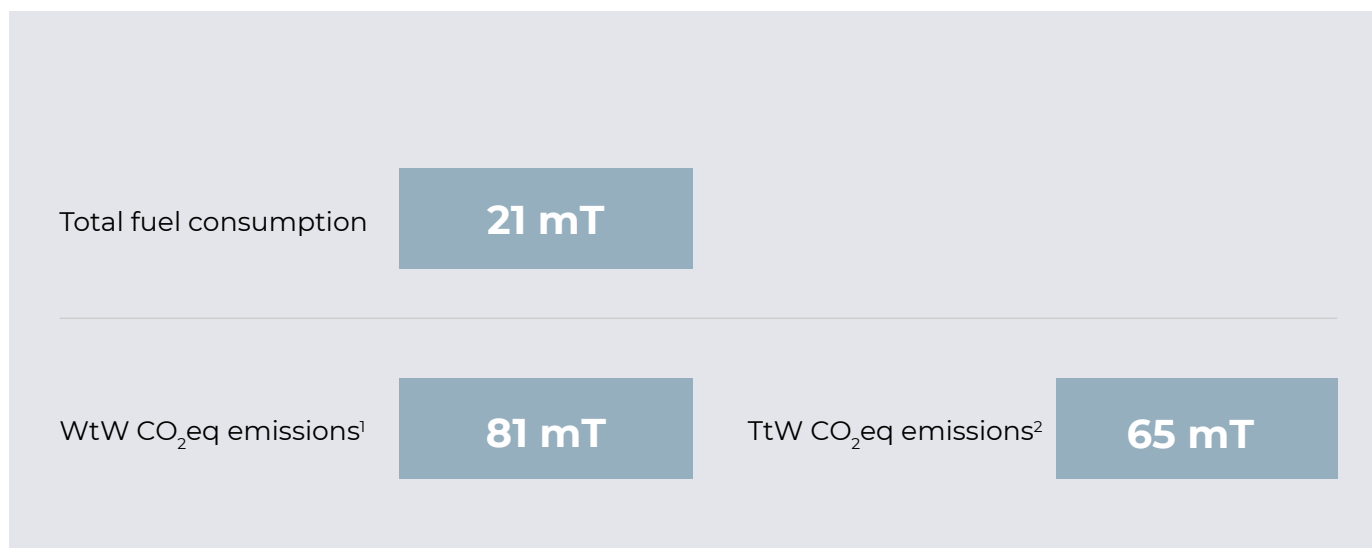
Carbon savings via the Air France KLM Corporate SAF Program

Schwäbische Werkzeugmaschinen GmbH has made a financial contribution of **12.000** euro to the Air France KLM Corporate SAF Program in 2022.

Air France and KLM were able to source a sustainable aviation fuel volume of **16** Metric Ton (mT) thanks to this financial contribution from **Schwäbische Werkzeugmaschinen GmbH**. The sustainable aviation fuel sourced for the Air France KLM Corporate SAF Program reduced carbon emissions by **88,7%**¹ across the product lifecycle, as compared to regular fossil kerosene. **Schwäbische Werkzeugmaschinen GmbH** has therefore reduced its carbon footprint (Scope 3) by **55** CO₂eq mT. The statement of SAF contributions, purchases and associated CO₂eq savings for the reporting period 2022 as presented in appendix III are reviewed by an independent third party (see appendix III for more information).

CO₂eq Footprint of the Partner

The CO₂eq footprint of the Partner participating in the Air France KLM Corporate SAF Program is calculated using the CO₂eq calculator, which calculates per route the CO₂eq footprint, based on the fuel consumption per km, load factor and a Tank to Wake fuel to CO₂eq conversion factor of 3,15 based on EU/ETS for the flights before March 2022 and of 3,16 based on CORSIA for the flights after March 2022.



¹ CO₂eq reduction with SAF is based on a comparison between the CO₂eq emissions from fossil fuel and SAF on a total life cycle of fuels. Well-to-wake (WtW) = production, transportation, combustion.

² CO₂eq emissions for the flight's scope stands for the airline's scope 1 (tank-to-wake (TtW)). Using 3,15 kg CO₂eq per kg fuel, according to EU/ETS for the flights before March 2022 and using 3,16 kg CO₂eq per kg fuel, according to CORSIA for the flights after March 2022.

CO₂eq savings from the Air France KLM Corporate SAF Program in 2022

€12.000
Premium 2022³

Premium = €756/mT.

The equivalent of **77%** of the total fuel consumption by **Schwäbische Werkzeugmaschinen GmbH** is sustainable aviation fuel.

16 mT
Purchased SAF

This sustainable aviation fuel is made from waste oils and in 2022 provided a CO₂eq emission reduction of **88,7%**, as compared to regular fossil kerosene¹.

55 mT
CO₂eq savings WtW

Calculation of the WtW CO₂eq savings = **16** (mT) x 3,92 (mT CO₂eq/mT fuel) x **88,7%** = **55** (mT CO₂eq).

TtW scope related savings are: **44** mT. Calculation: **16** (mT) x 3,16 (mT CO₂eq/mT fuel) x **88,7%** = **44** (mT CO₂eq).

See appendix III for more information on the used methodology

¹ CO₂eq reduction with SAF is based on a comparison between the CO₂eq emissions from fossil fuel and SAF on a total life cycle of fuels. Well-to-wake (WtW) = production, transportation, combustion.

² Corporates in the Air France and KLM Corporate SAF Program pay the price of 756 EUR.

Appendix I: Life Cycle Analysis of the SAF

Introduction

This appendix presents the Life Cycle Analysis (LCA) of the sustainable aviation fuel (SAF) that was used for the 2022 Air France KLM Corporate SAF program.

We have been supplied SAF by multiple suppliers at various airports. All of the SAF delivered was certified following the Roundtable on Sustainable Biomaterials (RSB) or by the International Sustainability & Carbon Certification (ISCC) standard and using the LCA of that standard to calculate the Carbon Intensity of the delivered SAF batch. As we received SAF at multiple locations and from different suppliers, we normalised the fossil baselines to one, to compare the SAF GHG footprint with the Fossil baseline, being $89\text{CO}_2\text{eq}/\text{MJ} = 3,92\text{kgCO}_2\text{eq}$ per kg fuel. The feedstock used was from waste oils and explicitly no first generation or palm related oils have been used.

The SAF has been delivered to the airports, using a mass balance approach, meaning that the SAF molecules have been delivered to the airport using trucks or barges and are discharged into the airport joint storage, the SAF is then allocated to our aircrafts using mass balance approach to keep track of the amount of SAF delivered to the airport and redelivered to our aircraft, so we do not double claim SAF.

Overall GHG Saving

The overall weighted GHG savings for the SAF supplied to Air France and KLM for the 2022 Corporate SAF Program is a weighted average of all the SAF supplied to Air France and KLM. The total weighted average GHG savings for 2022 is **88,7%**.

Airport	Year	Supplier	Cert.	Carbon Intensity (kg CO ₂ eq/ kg)	Fossil Baseline (kg CO ₂ eq/kg)	GHG Saving %	Volume SAF (kg)	Total GHG Savings (kg CO ₂ eq)
AMS	2022	Shell	ISCC	6,20	3,92	93,0%	971.465	3.539.241
AMS	2022	Neste	ISCC	12,93	3,92	85,5%	1.511.274	5.058.356
ARN	2022	BP	ISCC	8,31	3,92	90,7%	277.778	986.163
Total				10,10		88,7%	2.760.517	9.583.761

Note:

- kg CO₂eq/MJ to kg CO₂eq/kg an energy density of 44MJ/kg has been used
- The fossil baseline of 89 gr CO₂eq/MJ = 3,92kg CO₂eq/kg is used, which is the ICAO baseline

Appendix II: Auditor's report on Sustainable Aviation Fuel 2022



Independent auditor's review report

To: the management of Koninklijke Luchtvaart Maatschappij N.V.

Our conclusion

We have reviewed the Statement of SAF contributions, purchases and associated CO₂e_q savings for the period 1 January 2022 to 31 December 2022 for the Air France KLM Corporate SAF Program as included in Appendix III of the Air France KLM Corporate SAF Programme Customer report 2022 (of hereafter: the "Statement") of Koninklijke Luchtvaart Maatschappij N.V. (or hereafter: the "Company") based in Amstelveen. Based on our review, nothing has come to our attention that causes us to believe that the Statement is not prepared in all material respects, in accordance with the accounting policies selected and disclosed by the Company, as set out in the note Basis of preparation to the Statement.

Basis for our conclusion

We conducted our review in accordance with Dutch law, including the Dutch Standard 2400 'Opdrachten tot het beoordelen van financiële overzichten' (Engagements to review financial statements). A review of financial statements in accordance with the Dutch Standard 2400 is a limited assurance engagement. Our responsibilities under this standard are further described in the 'Our responsibilities for the review of the Statement' section of our report.

We are independent of the Company in accordance with the Verordening inzake de onafhankelijkheid van accountants bij assurance-opdrachten (ViO, Code of Ethics for Professional Accountants, a regulation with respect to independence) and other relevant independence regulations in the Netherlands. Furthermore we have complied with the Verordening gedrags- en beroepsregels accountants (VGBA, Dutch Code of Ethics).

We believe the assurance evidence we have obtained is sufficient and appropriate to provide a basis for our conclusion.

Emphasis of the basis of accounting and restriction on use and distribution

We draw attention to note Basis of Preparation to the Statement, which describes the basis of accounting. The Statement is intended for participants in the Air France KLM Corporate SAF Program and is prepared to assist Koninklijke Luchtvaart Maatschappij N.V.. As a result, the Statement may not be suitable for another purpose. Therefore, our review report is intended solely for Koninklijke Luchtvaart Maatschappij N.V. and participants in the Air France KLM Corporate SAF Program and should not be distributed to or used by other parties. Our conclusion is not modified in respect of this matter.

Responsibilities of management for the Statement

Management is responsible for the preparation of the Statement in accordance with description of requirements, purpose, contract, etc.. Furthermore, management is responsible for such internal control as it determines is necessary to enable the preparation of the Statement that are free from material misstatement, whether due to fraud or error.

KPMG Accountants N.V., a Dutch limited liability company registered with the trade register in the Netherlands under number 33263683, is a member firm of the global organization of independent member firms affiliated with KPMG International Limited, a private English company limited by guarantee.



Our responsibilities for the review of the Statement

Our responsibility is to plan and perform the review in a manner that allows us to obtain sufficient and appropriate assurance evidence for our conclusion.

The level of assurance obtained in a limited assurance engagement is substantially less than the level of assurance obtained in an audit conducted in accordance with the Dutch Standards on Auditing. Accordingly, we do not express an audit opinion.

We have exercised professional judgement and have maintained professional scepticism throughout the review, in accordance with Dutch Standard 2400.

Our review included among others:

- Obtaining an understanding of the entity and its environment and the applicable financial reporting framework, in order to identify areas in the Statement where material misstatements are likely to arise due to fraud or error, designing and performing procedures to address those areas, and obtaining assurance evidence that is sufficient and appropriate to provide a basis for our conclusion;
- Obtaining an understanding of the entity's accounting systems and accounting records and consider whether these generate data that is adequate for the purpose of performing the analytical procedures;
- Making inquiries of management and others within the entity;
- Applying analytical procedures with respect to information included in the Statement;
- Obtaining assurance evidence that the Statement agrees with, or reconciles, the entity's underlying accounting records;
- Evaluating the assurance evidence obtained;
- Considering the appropriateness of accounting policies used and considering whether the accounting estimates and related disclosures made by management appear reasonable;
- Considering the overall presentation, structure and content of the financial statements, including the disclosures; and
- Considering whether the Statement has/have been prepared in accordance with the applicable financial reporting framework and represents the underlying transactions free from material misstatement

Amstelveen, 31 May 2023

KPMG Accountants N.V.

M.J. Kooyman RA

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Appendix III: Calculation carbon emission reduction

Statement of SAF contributions, purchases and associated CO₂eq savings for the period 1 January 2022 to 31 December 2022 for the Air France KLM Corporate SAF Program.

Purpose

This statement of SAF contributions, purchases and associated CO₂eq savings for the period 1 January 2022 to 31 December 2022 for the Air France KLM Corporate SAF Program, hereafter 'the Statement' is prepared to provide the contributors of the Air France KLM Corporate SAF Program with information regarding the contributions received, the costs of the associated biofuel purchases, the volume of biofuel purchased and the CO₂eq savings achieved over the aforementioned period. This statement is prepared using the basis of preparation described below.

Key figures for the total Air France KLM Corporate SAF Program for the period 1 January 2022 to 31 December 2022

Financial contribution of partners	€947.598
Volume of SAF Purchases	1.253 mT
WtW CO ₂ eq Saving	4.352 mT

Basis of preparation

Contributions from SAF partners

Contributions include contributions received from the Air France KLM Corporate SAF Program partners, for contracts valid during the period 1 January 2022 to 31 December 2022. Furthermore, in agreement with our partners, part of the contributions from the previous period have been transferred to the 2022 program.

Volume of SAF

The volume of purchased SAF is expressed in metric tons. Each metric tons equals 330,22 gallons and is defined by the standard density of 0,80 (1 liter = 0,8 kg). The volume of SAF sourced using the price of 756 EUR is in accordance with the invoices received for fuel delivered and allocated during the period 1 January 2022 to 31 December 2022.

CO₂eq savings of sustainable aviation fuel

CO₂eq savings are calculated using the following formula.

CO₂eq savings = mass of SAF used x CO₂eq savings factor x 3,92.

Whereas:

- The mass of SAF used in metric tons.
- The CO₂eq Savings factor is calculated comparing the Carbon Intensity (CI) of the SAF using a full Life Cycle Analysis (Well to Wake) with the ICAO fossil baseline. The CO₂eq savings factor used is **88,7%**.
1 – Carbon Intensity of the SAF / Fossil Baseline.
- The ICAO fossil baseline is 89gr CO₂eq per MJ, where the Net Heat of Combustion is 44 MJ/kg. So the fossil baseline is 3,92 kg CO₂eq per kg fuel.

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