KIMI AVIATION

Be part of the solution

More sustainable flying *on the highest level*

KiMi Green

English version

Mid-2023, KiMi Aviation was at a crossroads. We want to offer the comfort of a private charter, but at the same time we want to pass the world more sustainable to future generations. How do we find the balance where you fly more sustainable but don't have to sacrifice comfort?

Together with the crew of our jet and with experts, we took up this challenge with both hands. We developed the 'KiMi Green' concept to reduce the emissions of our jet and help make flying more sustainable for everyone, step by step.

In 2025, 2026, 2027 and 2028 we want to add another 5%. By fully offsetting the remaining emissions with verified climate projects, we are already taking full responsibility for our emissions by 2024.

In addition to CO_2, aircraft engines also emit other gases when flying at altitude, such as nitrogen oxides (NO_x), sulfur dioxide (SO_2), condensed water ($H2_O$) and soot particles. These gases also have effects on the global warming.

To calculate these effects, our calculations apply an index (RFI). So, these effects were also taken into account in our calculations.

Ultimately, everyone who rents the plane helps make this plan a reality. To make flying more responsibly possible. Together we can take a step forward to pass the world more sustainable. More about our plan you read in our brochure.

KIMI AVIATION

"Be part of *the solution*"

Ambitions

Public opinion is changing dramatically.
We cannot look away from the major climate challenges.
What do we ourselves still consider ethically acceptable?

Step by step, we started working with the crew and external experts to figure out how to make our jet and our operation more sustainable. How we can turn this into a concept that other jets can join in order to maintain support, make a difference and do our part to make the entire aviation industry more sustainable. What a great thing it would be if we could work together with other parties to lay the groundwork so that in a few years it will be possible for anyone to book a ticket with a major airline and fly with significantly reduced emissions and full offsetting of residual emissions.

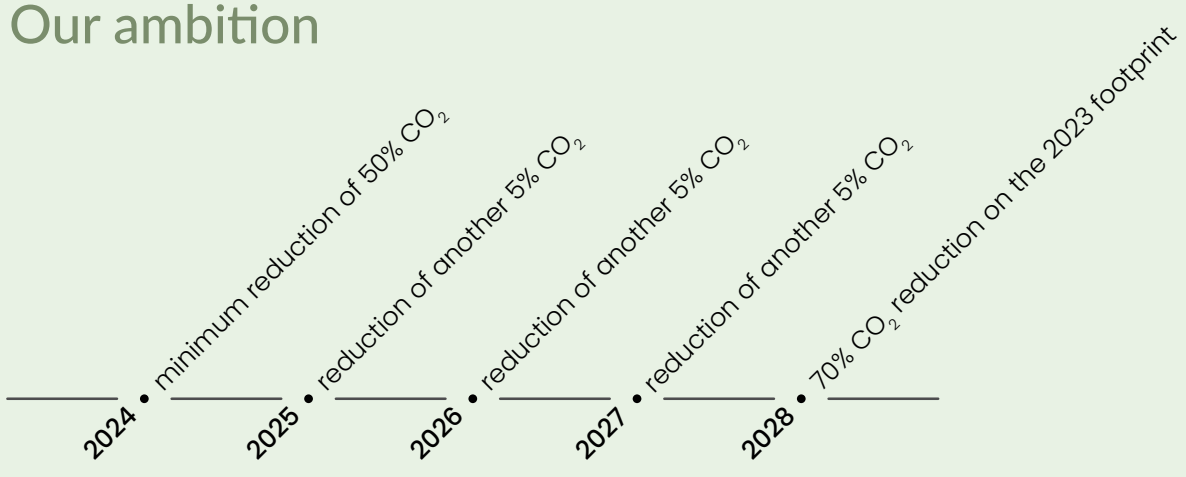
As KiMi Aviation, we want to be pioneers and at the forefront of the Sustainable Aviation Agreement (Ministry of Infrastructure and Water Management) presented in 2019.

We want to be part of the solution rather than the problem. This is why we have now developed the 'KiMi Green' concept in which our ambition is to, in the short term bring our CO_2 footprint as far to zero as possible with the technology now available.

When mapping our CO_2 footprint, it emerged that we can reduce a lot of CO_2 within our organization in the short term. Our partner in the field of advice and certification is Athesis Nederland based in Utrecht. Together with us, Anthesis Nederland has written a plan to gradually reduce the offset and replace it with a reduction of CO_2.

We do this by embracing new developments and taking advantage of existing opportunities.

Our ambition



Realizing our ambition

More responsible travel is necessary. From that thought, 'KiMi Green' was born. Together with the crew of our jet and experts, we evaluated the current flight operation. Where can we make improvements?

Adjustments to our jet

Applying winglets

A winglet is a raised extension of the aircraft wing that reduces vortices in the air, making the aircraft fly more efficiently.

New painting and special coating Permagard

This keeps the aircraft cleaner. Less dirt means less air resistance and less weight, so also reduction on fuel consumption. An additional benefit is the water savings in washing the aircraft.

Paperless cockpit

By deploying an Electronic Flight Book (EFB), paper use will be minimized.

Adjustments to the operation

Minimizing positioning flights

By deploying electric car, we save 2.3 T CO_2 flight which totally equals by 1% of our CO_2 emissions by 2023.

Use Electric Ground Power Units (E-GPU)

E-GPUs provide aircraft on the ground with power and replace the diesel variant. The purchase of an E-GPU aligns with the action plan 'Smart & Sustainable' and the climate agreement..

Adjusting speed

Flying 5% slower (for example, 800 km/h instead of 850 km/h) saves 5.8% on fuel and thus 5.8% on CO_2 emissions. A flight Amsterdam - New York will then take 24 minutes longer but produce more than 1.7 T of CO_2 reduction.

Fueling more strategically

By using fuel planning more strategically and refueling more often at intermediate stops, the aircraft becomes lighter, resulting in less fuel consumption and thus less CO_2-emissions. For example, by doing an extra refueling in Athens on the return flight Amsterdam - Athens, a reduction of 1 T CO_2 is possible.

Use of SAF fuel and SAF certificates.

SAF (Sustainable Aviation Fuel, or biokerosene) is an alternative to fossil fuel. It is produced from sustainable raw materials, such as agricultural waste and old frying fat. By using/adding SAF fuel and/or purchasing SAF certificates, we can achieve a CO_2 reduction of up to 55%.

Procedure adjustment when taxiing after landing

Smarter use of engines can save fuel. For example, taxiing can be done on two engines instead of three without compromising safety. When landing on the Polderbaan, for example, 20 minutes taxiing by engine yields 0.5 T CO_2 reduction per flight. This procedure is under development and currently being tested.

Sharper on routes and altitudes

By consulting more actively on flight plans, we expect to be able to coordinate more shorter and more direct (approach) routes, thereby reducing fuel consumption and thus CO_2 emissions. RIVM indicates that a reduction in CO_2 emissions of about 10% can be achieved through more efficient use of airspace.

A more sustainable cabin

The cabin uses sustainable products as much as possible.

- Catering is locally and seasonally sourced recyclable water packs from tetra
- Candy is carefully selected with emphasis on sustainability
- A dry cleaner with attention to the environment
- Separating and recycling waste
- 100% certified bamboo toilet paper
- Luxury sustainable toiletries, pillowcases and table linens
- Newspapers and magazines available on iPads
- Biodynamically grown wines

A detailed explanation can be found on page 12.

"I want to improve the world, not make it worse. ***More sustainable flying in the future for everyone is my ambition.***" *Frank van Gool*

Compensate for the remaining emissions

We will compensate the remaining CO_2 emissions that we cannot reduce in the following ways.

Avoidance project: cooking sets in Africa

KiMi Aviation is investing in the production, distribution and delivery of cleaner, more efficient cooking stoves to some of the world's poorest people. Over a third of the world's population still cooks on open fires, mostly indoors. This method of cooking produces a lot of harmful smoke, with serious health consequences. Four million people worldwide die each year from respiratory diseases caused by cooking on an open fire. In addition, preparing meals has on open fires have a huge impact on the climate and on the social development of women and children. Due to their clever design, these stoves use 50% less wood and produce less smoke than ordinary stoves. These devices not only improve people's health, but also help reduce deforestation and the amount of greenhouse gas emissions in the atmosphere reduce. KiMi Aviation also helps fight climate change in this way.

Removers project: reforestation in Tanzania

KiMi Aviation is investing in reforestation of degraded land in the Uchindele and Mapanda forests in Tanzania. This provides alternative livelihoods to local people in the poverty-stricken districts of Kilombero, Morogoro and Mufindi in southwestern Tanzania. To capture and store CO_2 trees are being planted in grassland areas in southwestern Tanzania. More than 10,000 hectares degraded grassland is converted to forest, with an emphasis on soil conservation, protection of water resources and enhancement of biodiversity.

Our Partners

We can't do it alone. Recently, KiMi Aviation has been seeking collaboration with partners who support our ideas to make cleaner flying a reality in the future.

Anthesis

Anthesis Netherlands has performed, and will continue to perform annually, a CO_2 footprint calculation. This is to see if the reduction goals are met and adhered to. Anthesis Netherlands also has an advisory role to help us signposting to CO_2 reduction and offsetting.

bamboovement

The Bamboovement was founded in Amsterdam to offer natural and plastic-free products that do no less harm to our planet. The bamboo products are FSC certified to ensure sustainable forestry. On board we offer several toiletries from the Bamboovement.

notk

KiMi Aviation collaborates with NOTK - Gegrond Wijnadvies to jointly select the finest wines produced with respect for nature and fellow human beings. NOTK makes conscious choices regarding the distance the wines travel, production and packaging. Each season NOTK searches for the most exclusive wines, which makes us at KiMi Aviation excited to serve them on board.

EARTH WATER

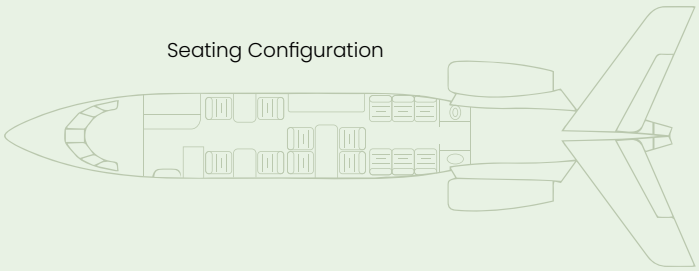
The recyclable tetra water packs are made from renewable resources and have a 100% plant-based cap. EARTH Water's total net profits are dedicated to water projects and water systems in areas where they are most needed.

Anyone who chooses KiMi Aviation

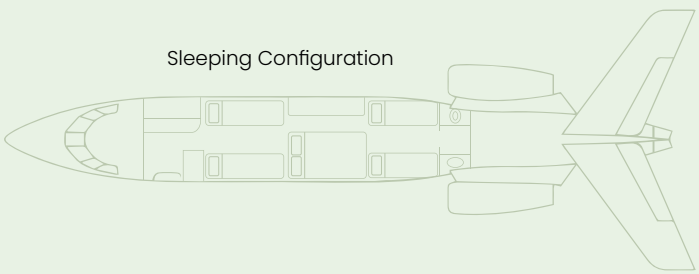
In the end, everyone who rents the plane helps make this plan a reality. In order to fly on a more responsibly possible. Together we can take a step forward to pass on the world cleaner.

Falcon 900EX| PH-LAU
Airplane specifications

Seating Configuration



Sleeping Configuration



Cabin Information PH-LAU

Max passengers	**14**
Max beds	**6**
Cockpit Crew	**2**
Cabin Crew Min.	**1**
Toilets	**2**
CD/DVD	**Available**
Microwave	**Yes**
Oven	**Yes**
Nespresso	**Yes**
Wi-Fi	**Yes**
Entertainment system HDMI	**Yes**
Max bagage capacity	**2800 lbs / 1250 kg**
Homebase	**Amsterdam**

Performance details

Cruise Speed
860 km/h

Max cruise altitude
51.000ft (15,5 km)

Max Range
4200 nm / 7800 km

Modifications Aircraft

New weather radar system

This makes weather conditions even more predictable for pilots and has an impact on reducing turbulence, for example.

New Wi-Fi Viasat KA system

Viasat is far ahead of the competition in terms of speed/ capacity, averaging a download speed of 3.5 MB/s with near global coverage.

Apple TV

During the flight, passengers can stream music, movies, series and other content on the plane's entertainment system via Apple TV.

Modifications aircraft to reduce CO_2 emissions

Applying winglets

A winglet is an upright extension of the aircraft wing that reduces vortices in the air, making the aircraft fly more efficiently. The technique is copied from birds that have fan-shaped flapping legs at the end of their wings that can be curled upward.

New painting and special coating Permagard

This keeps the aircraft cleaner. Less dirt results in less air resistance and less weight, thus also a reduction in fuel consumption. An additional benefit is water savings when washing the aircraft.

Paperless cockpit

By deploying an Electronic Flight Book (EFB), paper use will be minimized. Without an EFB, the average paper consumption is 30 to 40 A4 pages per flight. With the EFB, this consumption will be reduced by about 80%. In the future, we want to work completely paperless.

Total fuel savings
of 6%

Modifications operation to reduce CO_2 emissions

Minimizing positioning flights

In 2023, we had 18 positioning flights in the Netherlands. By using electric cars, we save 2.3 T of CO_2 emissions per flight, equivalent to 1% of our CO_2 emissions in 2023.

Use E-GPU (Electric-Ground Power Units)

E- GPUs power aircraft on the ground, replacing the diesel variant. The purchase of an E-GPU is in line with the Smart & Sustainable action plan and the climate agreement. By using E-GPU in combination with green electricity instead of the APU, we reduce per flight 0.3 T CO_2. Based on 271 flights in 2023, we could reduce a maximum of 81.3 T CO_2 which is 2% of our total emissions in 2023.

Adjusting speed

Flying 5% slower (for example, 800 km/h instead of 850 km/h) saves 5.8% on fuel saved and thus also 5.8% CO_2 emissions. An Amsterdam - New York flight then takes 24 minutes longer butdoes yield more than 1.7 tons of CO_2 reduction.

Fueling more strategically

By using fuel planning more strategically and refueling more often at intermediate stops, the aircraft becomes lighter, resulting in less fuel consumption and thus less CO_2 - emissions. For example, by adding an extra refueling in Athens a reduction of 1 T CO_2 is possible.

Use of SAF fuel and SAF certificates

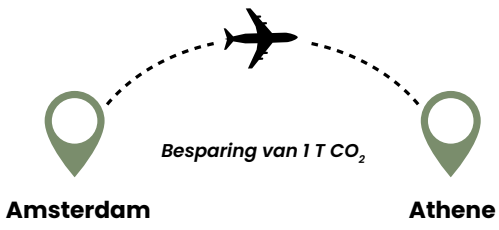
SAF (Sustainable Aviation Fuel, or biokerosene) is an alternative to fossil fuel. It is produced from sustainable raw materials, such as agricultural waste and old frying fat. We aim to fly 100% with SAF certificates on all flights over European airspace from now on.

Procedure adjustment when taxiing after landing

Through smarter use of engines, fuel can be reduced. For example, taxiing can be done on 2 engines instead of 3 engines without compromising safety. When landing on the Polderbaan, 20 minutes taxiing by engine yields 0.5 T CO_2 reduction per flight. This procedure is under development and currently being tested

Sharper on routes and altitudes

By consulting more actively on flight plans, we expect to be able to coordinate more shorter and more direct (approach) routes, thereby reducing fuel consumption and thus CO_2 emissions. RIVM indicates that through more efficient use of airspace a reduction of CO_2 - emissions can be realized of about 10%.



Green cabin

The cabin uses sustainable products as much as possible.

Catering

Our VIP caterer strives to use more sustainable tableware as much as possible and has a purchasing policy that is local and seasonal. If plastic packaging is necessary for hygiene reasons, it is of course recycled.

EARTH Water

Earth Water's recyclable tetra water packets are made from renewable resources and have a 100% plant-based cap. All of Earth Water's net profits are dedicated to water projects and water systems in areas where they are most needed.

Candy

As much as possible, our wide assortment of candy has been selectively chosen with respect to their policy on sustainability. This includes candy that is free of animal gelatin, 100% natural nuts, recyclable chip tubes and vegan-organic oatmeal bars.

Dry Cleaning

For our table linens, we rely on Dry Cleaning Supernette. They use environmentally friendly products such as hydrocarbon, which is not harmful to humans and the environment, and chlorine-free. They use recycled water from the cleaning machine.

Toilet paper

Bamboi is soft and strong toilet paper made from 100% certified bamboo. With no added chemicals, our bamboo toilet paper is biodegradable.

Toiletries

We use the Rituals brand. Rituals creates packaging that pays optimal attention to functionality, waste reduction and environmental impact. They follow the ecological principle of Refill-Reduce-Recycle.

Green cabin

Pillowcases

Our luxury pillowcases by Claudi are produced in local workshops. The inner pillow is made of organic cotton and filled with recycled feathers.

Supplier

Our supplier Hanos has a steadfast ambition to produce less waste and separate at least 70% by 2025. Solar panels on the trucks provide energy to cool the freight, reducing emissions.

Recycle

Glass, cans, paper, plastic and Nespresso capsules are separated, collected and recycled.

Media platform

A wide assortment of newspapers and magazines is downloaded on the iPads on board for your flight. .

Wines

We offer a selection of organic wines and champagne. Organic wine is more environmentally friendly as no chemicals are used. Our wine list will be presented during your flight.

Bamboo products

Bamboo, with its natural beauty and eco-friendly properties, is at the heart of this product line. From toothbrushes to hairbrushes and even razors, each item is carefully crafted to combine sustainability with style. The products are biodegradable.

Other products

From Pukka tea to straws, from cleaning supplies to using crew thermos cups, everything is ecologically responsible whenever possible.

→ Corporate Sustainability Reporting Directive

KiMi Aviation will report on CSRD (Corporate Sustainability Reporting Directive) starting in 2024. In this sustainability report describes the impact KiMi Aviation itself, as well as its suppliers, have on the environment and society. Despite the fact that KiMi Aviation is not yet required to account for CSRD, it is going to do so. On this This way, both we ourselves and our passengers gain insight into the company's sustainability efforts. Passengers can include KiMi Aviation's CSRD in determining their own Scope 3 and thus can also follow the development of 'KiMi Green'.

→ SCOPE 3

The moment you fly with KiMi Aviation, your own footprint is reduced. You may claim the reductions KiMi Aviation achieves in your own SCOPE 3. This is the indirect emissions of CO_2 caused by the activities of another organization.

Frank van Gool

frank@kimiaviation.com

+ 31 6 490 60 111

Daan Douma

ddouma@kimiaviation.com

+ 31 6 296 83 570

Harm Ruitenbeek

hruitenbeek@kimiaviation.com

+ 31 6 212 54 338

KiMi Aviaton

info@kimiaviation.com

+31 6 502 61 636

Sales

sales@kimiaviation.com

+31 6 502 61 636

kimiaviation.com

KiMi Aviation makes every effort to meet reduction targets by continuously monitoring its processes and technological developments in a monitor.

KiMi Aviation believes that the stated reduction targets are realistic. At the same time, it should not price itself out of the market and is dependent on certain external factors, such as the availability of SAF certificates and technological developments. Consequently, KiMi Aviation cannot guarantee that reduction targets will be met.

KIMI
AVIATION