



STRATEGY & AMBITION
ENVIRONMENTAL TRANSITION

AIRFRANCE 

ENVIRONMENTAL TRANSITION

AIR FRANCE'S AMBITION

30 % LESS

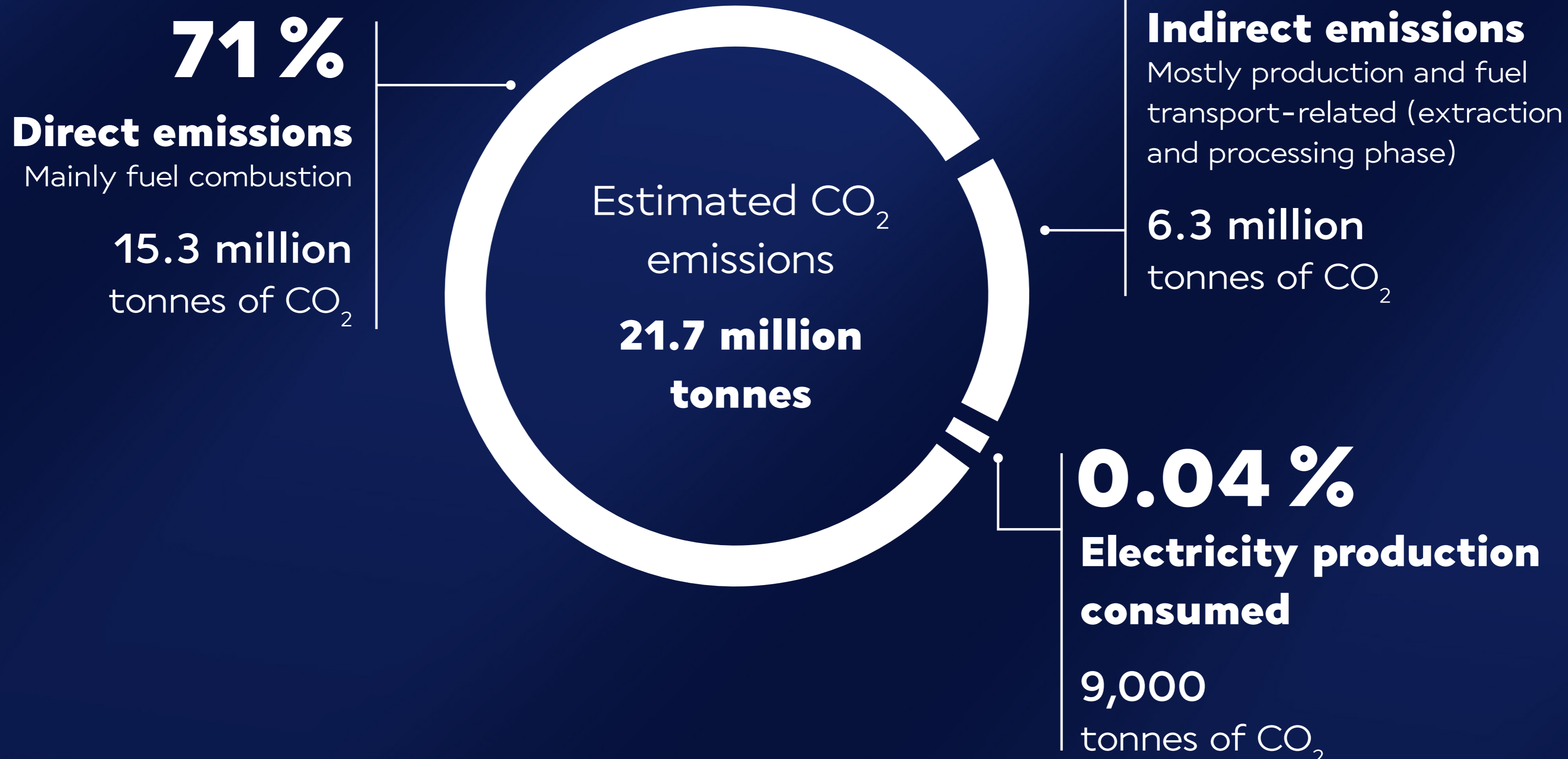
CO₂ EMISSIONS

PER PAX-KM

IN 2030 COMPARED TO 2019



AIR FRANCE GROUP CARBON FOOTPRINT IN 2024

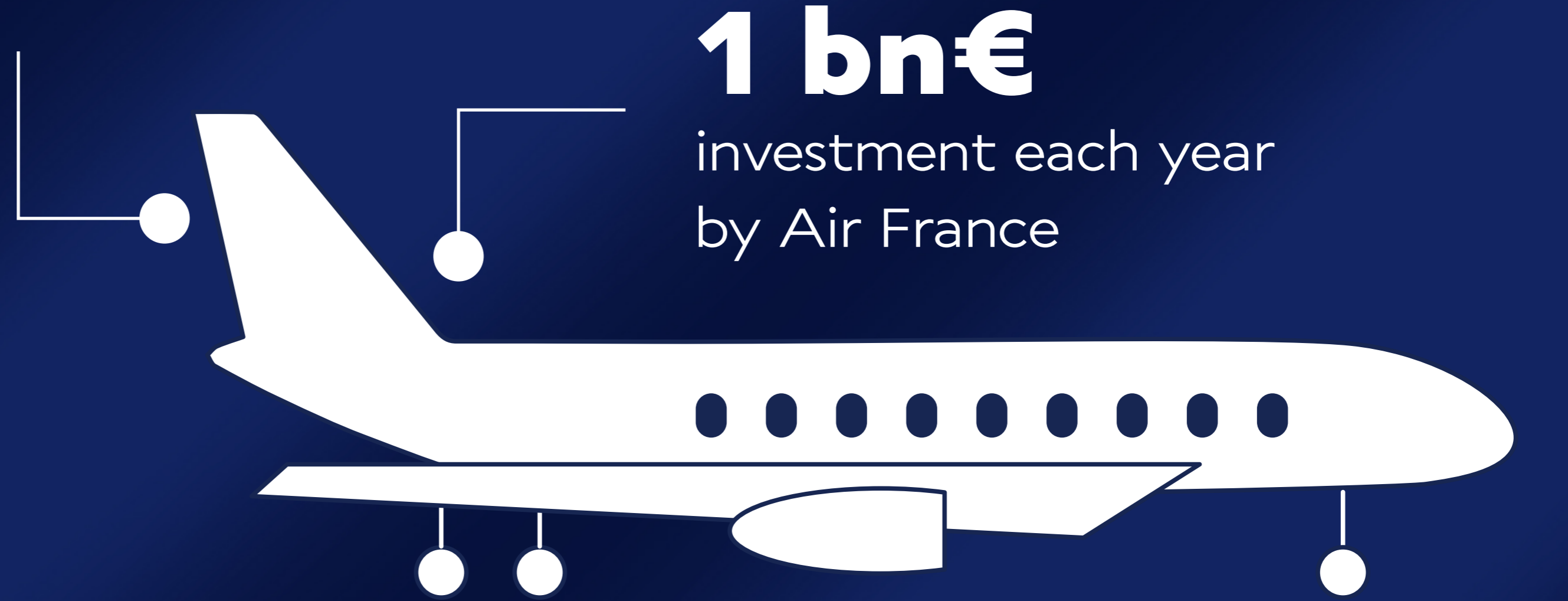


DID YOU KNOW? | CO₂ emissions from civil aviation have an impact on climate change (2.4% of global emissions in 2019). Air transport also exerts other pressures on the climate; for example, the white trails that can be seen in the wake of aircraft, composed of water vapour and soot, can have a warming effect when they turn into clouds.

FLEET RENEWAL

TO REDUCE DIRECT CO₂ EMISSIONS

UP TO
25 %
LESS
CO₂ emissions
for a new generation
aircraft



NEW GENERATION AIRCRAFT

in the Air France fleet (excluding Hop!)



A220

2.6 litres of fuel¹

20 % less consumption
than the aircraft it replaces



A350

2,5 litres of fuel¹

25 % less consumption
than the aircraft it replaces

¹ per passenger per 100 km

DID YOU KNOW? | New generation aircraft emit **20-25% less CO₂**, thanks to more efficient engines, lighter materials, and more aerodynamic design. **Their noise footprint is also reduced by more than a third.**

By the end of 2024, the share of new generation aircraft in the Air France fleet (excluding Hop!) **was 38%.**

OPERATIONAL EFFICIENCY MEASURES TO REDUCE CO₂ EMISSIONS

All operational measures,
including eco-piloting

4 TO 5 % LESS

fuel consumption
and CO₂ emissions



Reduction
of on-board
weight



efficient route
strategy



APU OFF



Eco-piloting

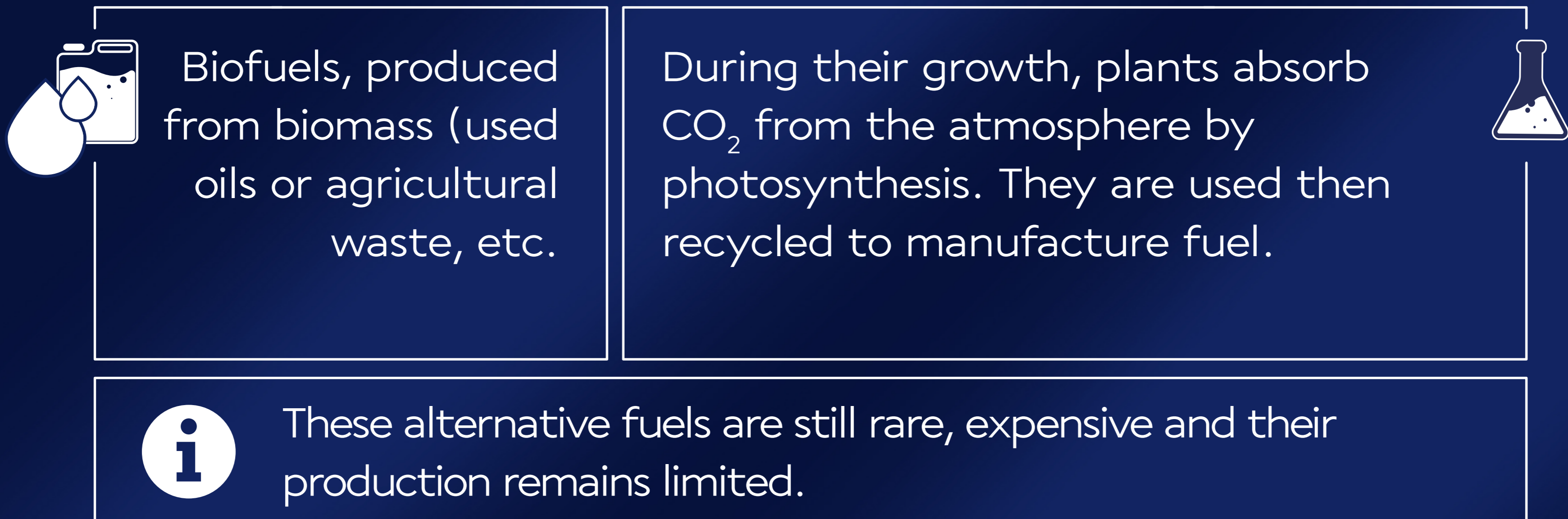
DID YOU KNOW? | The APU is the engine that autonomously supplies electricity on board. It renews the air and keeps the cabin at the right temperature when the aircraft is parked. It runs on jet fuel, which generates CO₂ emissions.

APU OFF : to limit its use - and therefore CO₂ emissions and noise pollution - a solution is available - the use alternative devices via the ground electric and ground air-conditioning systems.

SUSTAINABLE AVIATION FUEL (SAF)

TO REDUCE DIRECT CO₂ EMISSIONS

TWO FAMILIES OF SAF



ANALYSIS OF THE CARBON FOOTPRINT OVER THE LIFE CYCLE

INCLUDING THE MANUFACTURE, USE, TRANSPORT AND END OF LIFE OF A PRODUCT



The overall carbon footprint of this SAF is calculated by deducting the CO₂ absorbed upstream from the emissions generated by its combustion in flight.

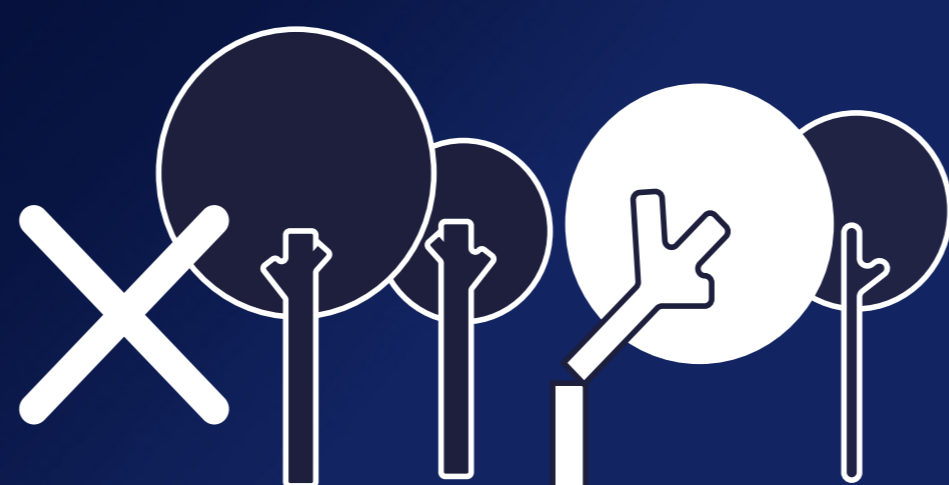
DID YOU KNOW? | SAF can be mixed with conventional jet fuel without adaptation of aircraft, engines or refuelling infrastructure.

SUSTAINABLE AVIATION FUEL (SAF) AT THE HEART OF OUR STRATEGY

The SAF selected by Air France meet the European Union's strict sustainability criteria:



No competition
with the food industry



No deforestation

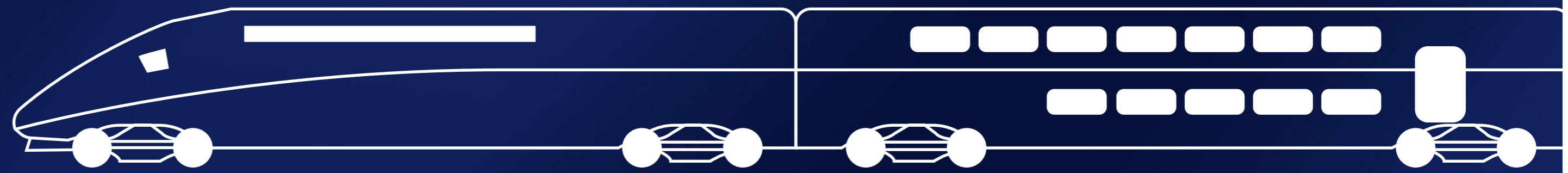
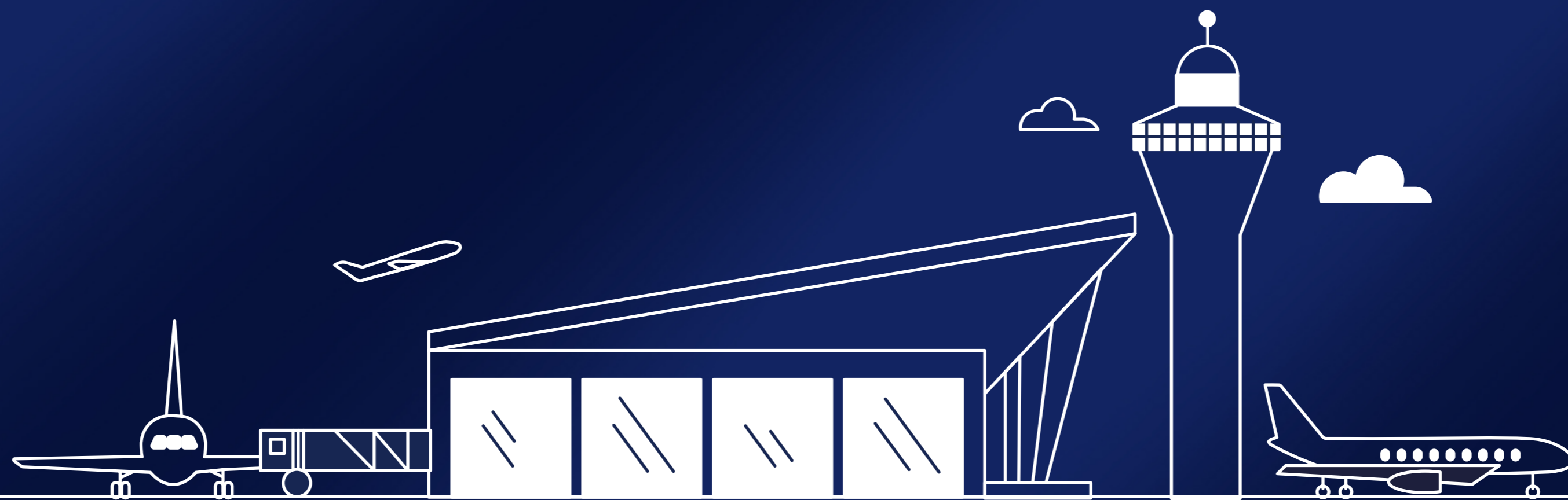
AIR FRANCE'S SAF INCORPORATION AMBITIONS



DID YOU KNOW? | Air France-KLM has signed a contract with TotalEnergies for the supply of up to 1.5 million tonnes until 2035. Together with the contracts signed in 2022 with Nesté and DG Fuels (1.6 million tonnes of SAF between 2026 and 2036), they are key to securing part of our SAF needs.

INTERMODALITY

For short distance journeys, low carbon transport alternatives exist. Promoting these low-carbon alternatives on shorter journeys, in combination with more energy-efficient flights on longer journeys, helps to reduce the overall carbon footprint of a trip. This is why it is particularly important for the aviation and rail transport sectors to cooperate. Air France and SNCF Voyageurs have been working together for 30 years on the Train + Air product, which has considerable development potential.



NEW

**SINCE
JANUARY 2025**

Flying Blue customers can spend their miles on SNCF vouchers, a world first for an airline!

NEXT

The Train + Air offer will be extended to Ouigo trains, improving connectivity with our flights and expanding our offer.

INTERMODALITY

IMPLICATIONS FOR AIR FRANCE



FEEDING THE HUB

Develop our market share on departure from the French regions (22 stations), offer a complementary service to air travel, build loyalty among customers who already use the train to get to CDG



CONTRIBUTION TO DECARBONIZING AIR TRANSPORT

New expectations on the part of some of our customers to reduce the carbon footprint of their journey from start to finish
Strong interest from French and European public authorities

CUSTOMER BENEFITS

A single booking and a fully digitalized customer journey



Miles can be accumulated for the entire journey

Combined ticket purchase possible from one year, compared with 4 months for a single train ticket



Guaranteed connections in the event of irregularities

A MORE RESPONSIBLE TRAVEL EXPERIENCE FOR OUR CUSTOMERS



- **More responsible catering**

Choice of local products, respecting seasonality
a vegan option



- **Reducing single-use plastic**

Replacement by bio-based materials,
both in-flight and on the ground



- **Reducing food waste**

Rigorous stock management, development
of pre-selection of hot dishes before the flight



- **Selective sorting and recycling of packaging**

progressively introduced on board

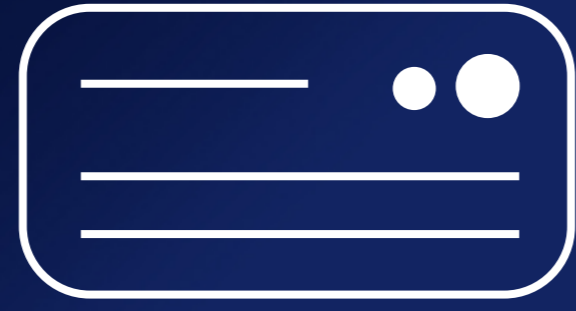


+ 40 tonnes
of on-board waste sorted and
recycled in 2024 (compared with 2023)

DID YOU KNOW? | To ensure fairer consumption and **reduce food waste**, customers travelling in long-haul Business cabins can pre-select their hot dish up to 24 hours before departure. This also guarantees their choice on board. In 2024, this service enabled the company to **avoid taking on board more than 52,000 uneaten hot meals (i.e., 11 tonnes of food waste avoided)**.

ENERGY EFFICIENCY ACTIONS

Air France has stepped up its actions to reduce energy consumption as part of the government's energy efficiency plan.



ADAPTATING THE TEMPERATURE

in offices, in summer and winter.



ELECTRICITY STANDBY

in buildings at night.



SWITCHING OFF

screens and dispensers at night.



COLD WATER

in toilets.



The energy consumption of buildings decreased by 21% over the whole of 2024 compared with the whole of 2019.

17% LESS

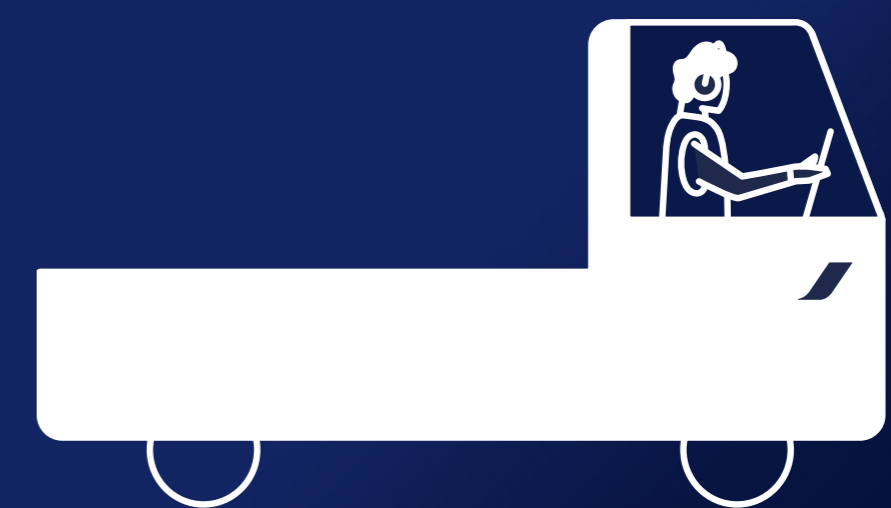
IN 2024

COMPARED TO 2019

AND OTHER ACTIONS...

All Air France staff are doing all they can on a daily basis to meet the environmental challenges.

For several years, the Ground Operations Division has been investing in electric ramp equipment.



The IT Division has launched the IT Matters programme aimed at sustainably reducing the environmental footprint of Air France's digital tools and practices via :

- digital clean up weeks (collecting unused IT equipment and sharing IT best-practice),
- green coding strategies - building computer code in a way that minimises environmental impact.



AIRFRANCE 