

Clermont-Ferrand Auvergne Airport

Decarbonization Roadmap

TOWARDS NET ZERO EMISSIONS
(2018-2030)





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01

About
VINCI Airports

VINCI AIRPORTS, 1ST PRIVATE AIRPORTS OPERATOR IN THE WORLD



13
countries

+70
airports

17,000
employees

267m
passengers

€5,5bn
managed revenue

3 LEVERS TO MOVE TOWARDS NET ZERO EMISSIONS

A pioneer in the sector, in 2016 VINCI Airports became the first airport operator in the world to define a global policy to control and reduce its environmental impact and integrate it in all its development projects.

In 2018, defined an action plan and a reduction trajectory in line with the IPCC's 1.5°C scenario for each consolidated airport, to achieve Net Zero emissions by 2030 in airports in the European Union, and London Gatwick; and Net Zero by 2050 in airports in the rest of the world. All the airports in the network are committed to an ambitious and concrete environmental transition path, involving the entire airport ecosystem in this approach, working with partners on a local and international scale.

Our priority is to decarbonize our operations and, more broadly, to support the decarbonization of the airport sector, in conjunction with local authorities. This ambition for transformation inspires all our projects, investments and innovations, in both the contracting and operating phases. Our environmental plan is built around three priorities:



EXEMPLARY ON OUR OWN SCOPE

ACHIEVEMENTS IN 2023



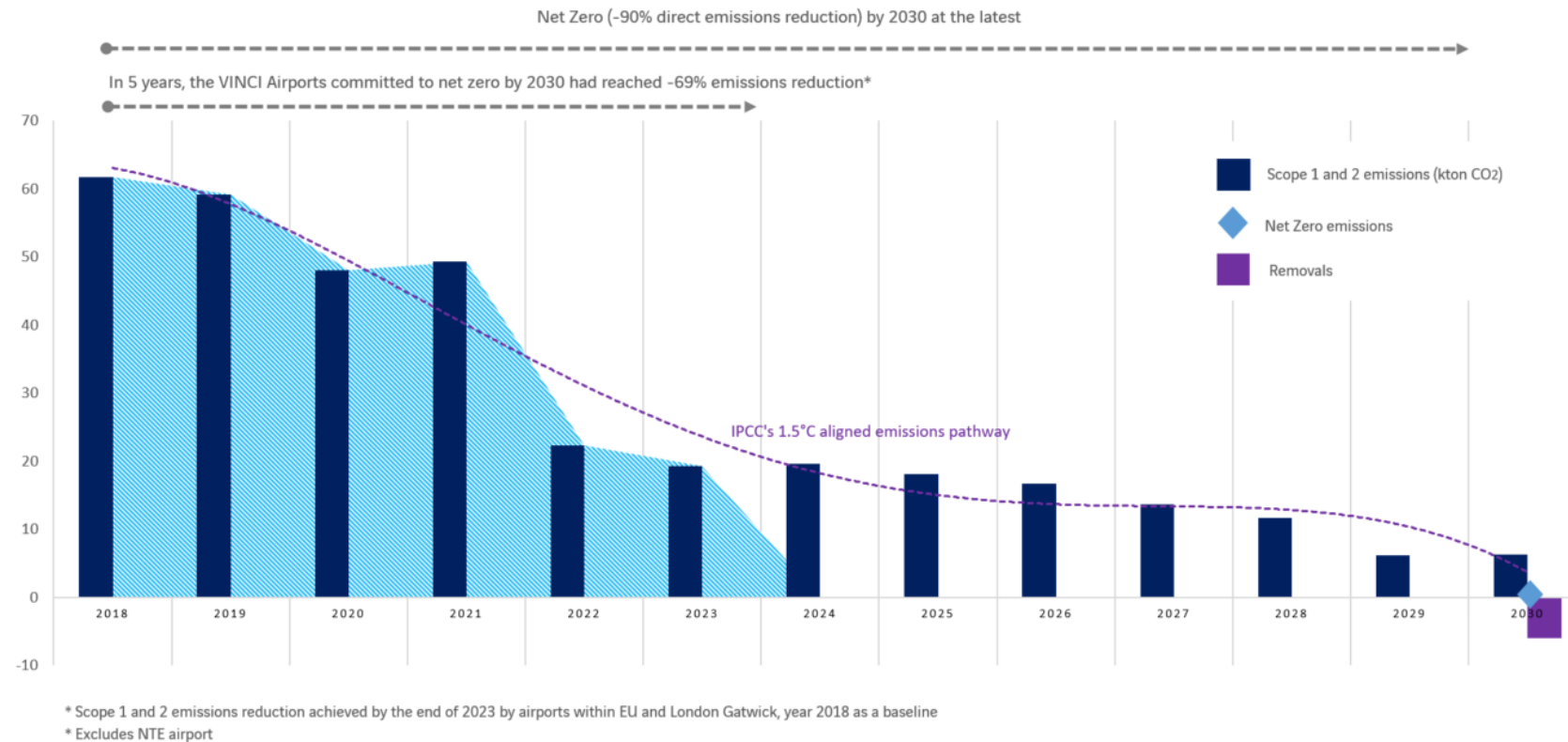
-50%
OF OUR CARBON FOOTPRINT
SCOPE 1 & 2 (vs. 2018)



51 MWp
OF PHOTOVOLTAIC PLANTS



52
ACA ACCREDITED AIRPORTS
(10 Level 4+ & 4 Level 5)

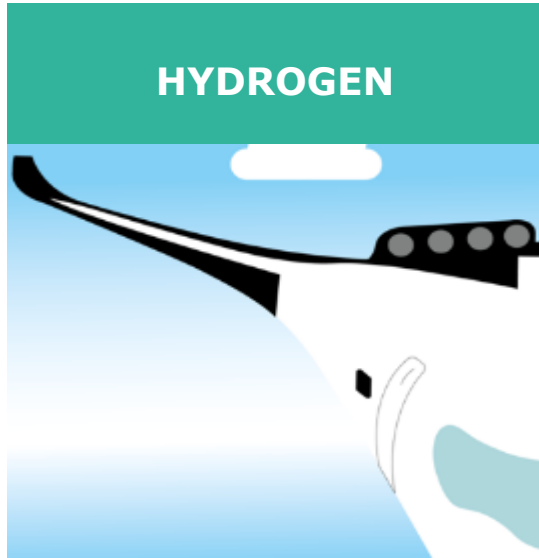


By 2023 and across its *global network*, VINCI Airports has achieved 50% reduction of its direct emissions by implementing renewable energy, energy efficiency measures, LED relamping (passenger terminal buildings, aprons, runways and taxiways, passenger carparks), low emission fleets, among other actions.

All the aforementioned initiatives respond to the core of VINCI Airport's environmental strategy: being exemplary on its own scope, representing the first step consistent with the global goal of achieving net-zero emissions.

ACTING ON THE VALUE CHAIN AND TERRITORIES

One of the most critical issues on the path to net zero is the collaboration with various stakeholders and third parties for the reduction of indirect emissions (Scope 3), both upstream and downstream. For our airports, these can represent the majority of emissions, ranging from 90% to over 95% of their total greenhouse gas (GHG) emissions. While technology and emerging innovations, like hydrogen-fuelled aircraft, will play an important role for Scope 3 reduction, there are several actions and strategies already in place to make an impact now.



HYDROGEN

Creation of a large fund for clean hydrogen infrastructure in partnership with Total Energies and Air Liquide + MoUs signed in France / Portugal / Chile / Japan



SUSTAINABLE AVIATION FUELS

Sustainable Aviation Fuels available at Clermont-Ferrand Auvergne Airport (20% SAF delivered in 2022)



MODULATION OF LANDING FEES

World premiere: VINCI Airports launches the carbon modulation of airport charges to encourage fleet renewal and to promote SAF usage (France and Gatwick)



FOREST CARBON SINKS

Investment in carbon sinks with local benefits to address residual emissions

To us, installing EV charging stations on and around our airports fuel the ambition to decarbonize the whole chain of mobility. In the VINCI Airports network globally we have deployed 316 EV charging stations available to our employees, operations and third parties.

Additionally, 75 % of our contact stands are now equipped to provide pre-conditioned air (PCA) and/or have 400Hz ground power units, allowing the aircraft to turn off its auxiliary power unit (APU) and reduce emissions associated with fuel burn.

Clermont-Ferrand Auvergne Airport

CLERMONT-FERRAND AUVERGNE AIRPORT



SPECIFICATIONS

Business: **231,000 commercial passengers by 2023**. 3 daily frequencies operated by Air France (CDG), 4 weekly Ryanair frequencies (OPO and FEZ) and a seasonal route operated by Air Corsica (AJA).

A regional airport serving the development of its region and the mobility of its inhabitants.

Mainly outbound traffic, driven by business and VFR travelers from the Auvergne's strong diaspora. Cash-in-transit activity for the Banque de France.

1st airport in France to offer SAF from 2021 at 30% and now at 35%, driven by Michelin Air Services' desire to use SAF for its fleet of business jets. By 2023, 20% of the jetfuel distributed at the hub will be SAF.

Significant non-aeronautical activity: 44 occupants, bringing together more than 2,400 personnel on the platform, with recognized companies in civil and military MRO, the aeronautical industry and 1 vocational training center for aircraft maintenance.



CONTRACT

Airport managed by VINCI Airports since January 1, 2008 under a Délégation de Service Public contract.

Renewed in 2015 for 12 years, then extended to 16 years, until December 31, 2030.

Delegating authority : Syndicat Mixte de l'Aéroport de Clermont-Ferrand Auvergne (SMACFA)

Delegatee: Société d'Exploitation de l'Aéroport Clermont-Ferrand Auvergne (SEACFA) 100% owned by VINCI Airports



02

Our Transition

Reduction of Greenhouse Gas emissions

The Airport Carbon Accreditation and the improvement of the airport



2016

2020

2022

2025

2030

ACA 1

ACA 2

ACA 3

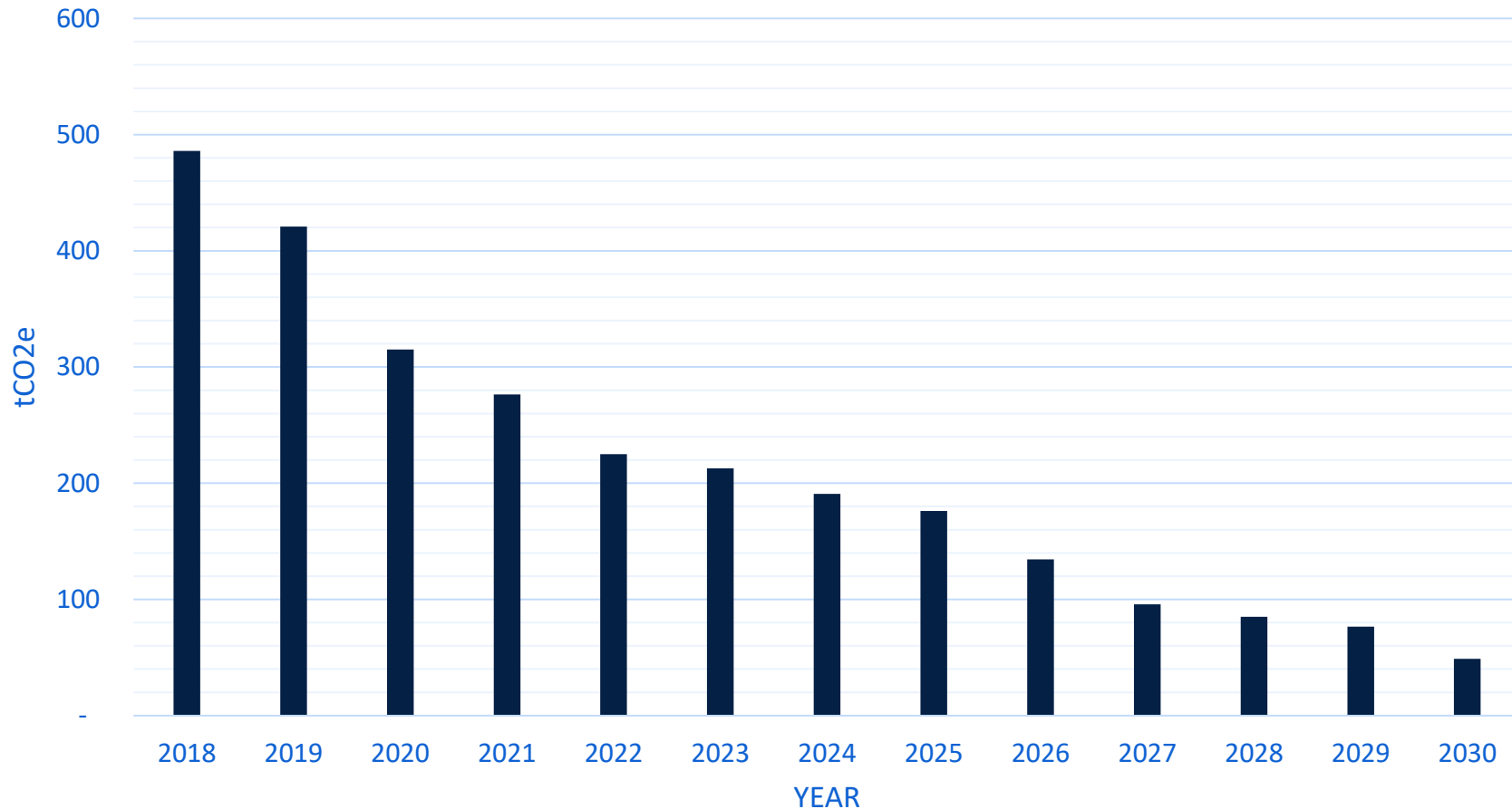
ACA 4

**Objective
ACA 5**

03

Our Net Zero
Commitment

OUR BASELINE, TRAJECTORY AND NET ZERO COMMITMENT

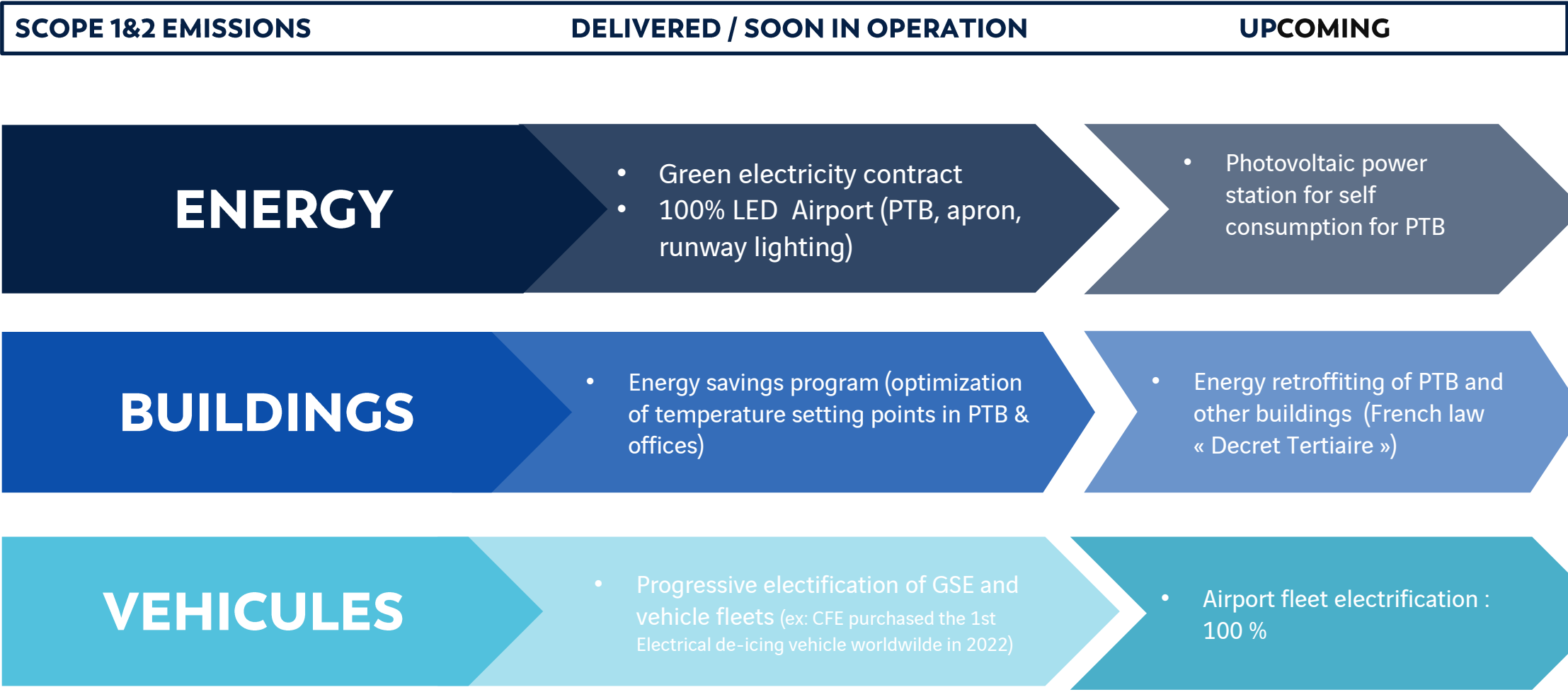


Future investments (Scope 1 and 2) :

- Heat Decarbonization
- Fleet Decarbonization
- Energy Efficiency
- Green energy

Disclaimer: This Net Zero commitment and trajectory will be kept subject to the renewal of the concession to VINCI Airports.

Reduction of Scope 1&2 greenhouse gas emissions:



04

Acting on the
value chain
and beyond

REDUCTION OF SCOPE 3 GREENHOUSE GAS EMISSIONS:

Mapping of current Scope 3 Emissions :

Origin of SCOPE 3 emissions (2022)



APU + ENGINE TEST



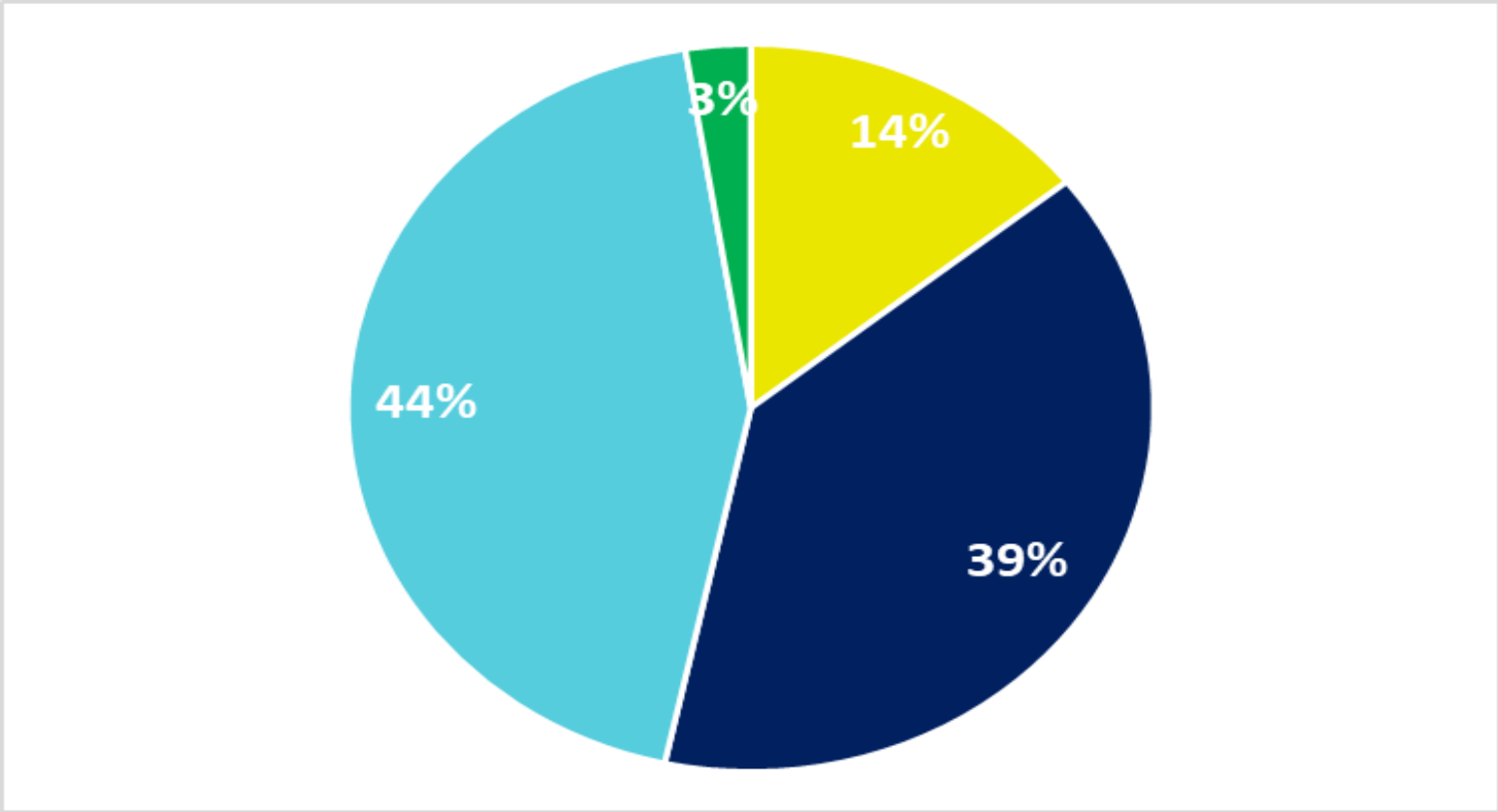
LTO Cycle (LANDING AND TAKE OFF)



ACCESS FROM PAX/STAFF TO AIRPORT



OTHER



REDUCTION OF SCOPE 3 GREENHOUSE GAS EMISSIONS:



•In 2021, Clermont-Ferrand Auvergne airport had already set itself apart by becoming the **1st French airport to make biofuels available to airlines**, and by introducing carbon modulation of landing fees the same year, designed to encourage airlines to equip themselves with lower-emission aircraft.

•Made from waste-based feedstocks, such as used cooking oil, which is blended with traditional jet fuel, the SAF blend supplied by Air BP is around **35% SAF**. The SAF component provides a lifecycle carbon reduction of around 80% compared to the traditional jet fuel it replaces. The demand from Michelin Air Services means that approximately **30% of the airport's total volume will be supplied as this SAF blend**.

•All these actions illustrate the concrete deployment of the environmental strategy of VINCI Airports, the 1st airport operator to have developed an integrated environmental policy across its entire network and committed, alongside local authorities and industry, to preparing the low-carbon aviation of tomorrow.

05

Acting for the
Climate through
Carbon Sinks

SUPPORT/INVESTMENTS IN CARBON SINKS PROJECTS

PARTNERSHIP WITH NEOSYLVA

Expertise on the renewal of degraded forest and afforestation of land agricultural neglected.

- Protection of biodiversity
- Creation of biological carbon sinks and Forestry Projects

SMART SOILS PROJECT

Project, initiated with CFE airport grantor (SMACFA), to create carbon sinks within airport boundaries :

- In the airport grasslands through implementation of specific plants (gramineous and leguminous plants) and bacteria
- Implementation of hedges

VINCI AIRPORTS' INVESTMENT IN NATURE-BASED SOLUTIONS TO ADDRESS RESIDUAL EMISSIONS



7 projects certified Label Bas Carbone

- Regions: Pays de la Loire, Bretagne
- Type:
 - Afforestation of agricultural plots
 - Reforestation
 - Afforestation of overgrown plots



Co-benefits:

- Dynamization of the local economy
- Protecting and supporting biodiversity and ecosystems
- Air, soil, and water quality improvements.