

Saint-Nazaire Airport

Decarbonization Roadmap

**TOWARDS NET ZERO EMISSIONS
(2018-2030)**


**ST-NAZAIRE MONTOIR
AÉROPORT**

VINCI 
AIRPORTS





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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



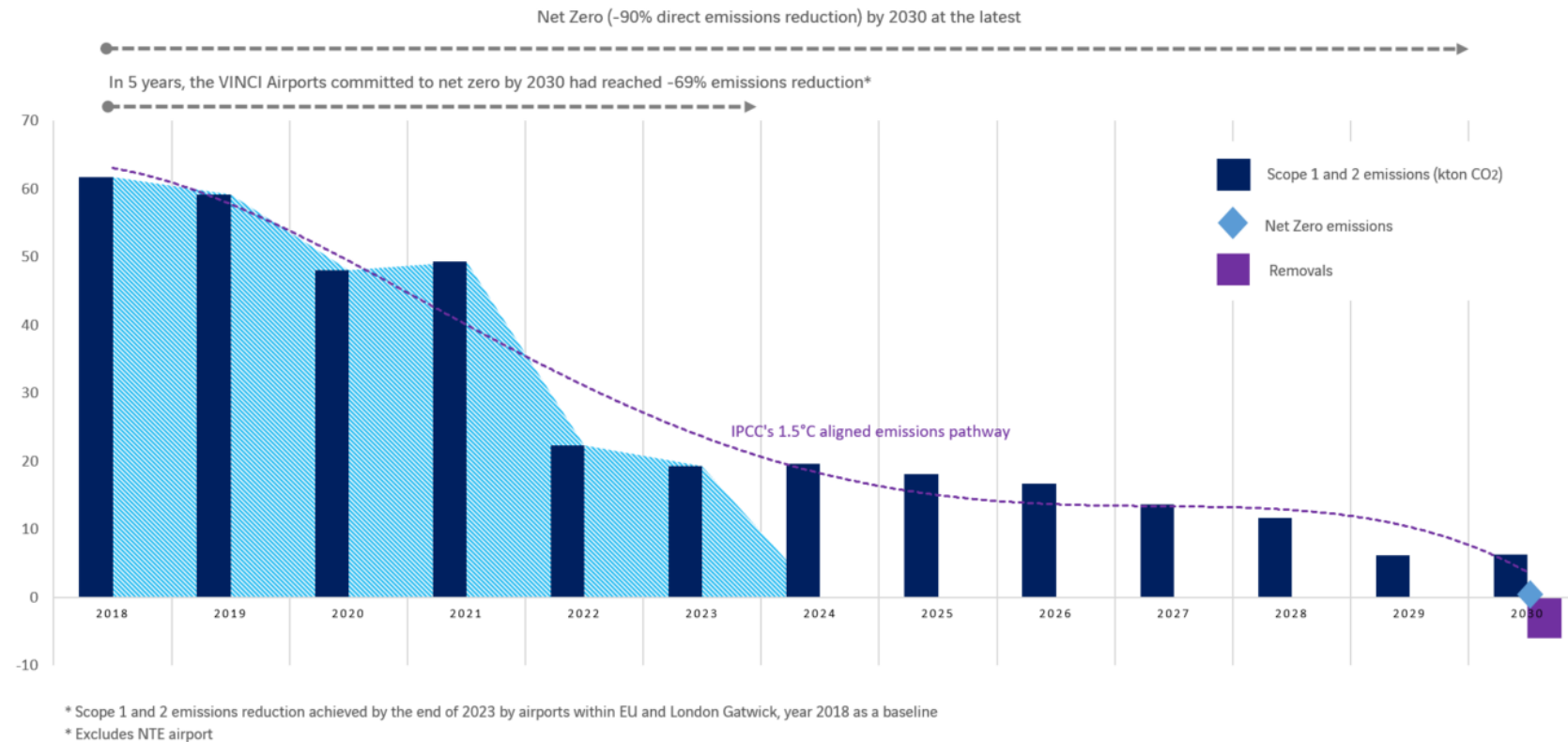
-50%
OF OUR CARBON FOOTPRINT
SCOPE 1 & 2 (vs. 2018)



51 MWp
OF PHOTOVOLTAIC PLANTS



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

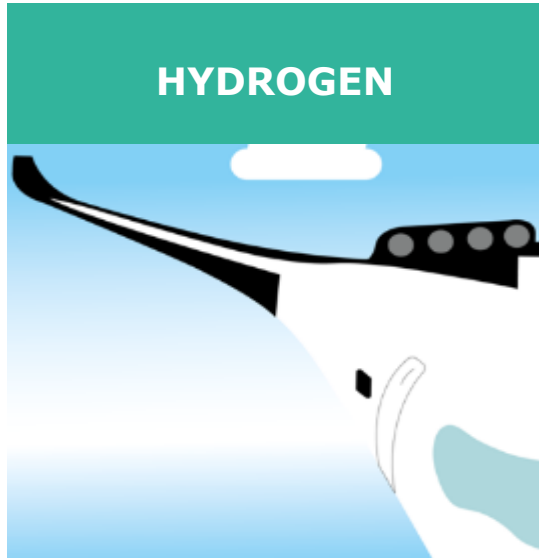


By 2023 and across its *global network*, VINCI Airports has achieved 50% reduction of its direct emissions by implementing renewable energy, energy efficiency measures, LED relamping (passenger terminal buildings, aprons, runways and taxiways, passenger carparks), low emission fleets, among other actions.

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.



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



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



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.

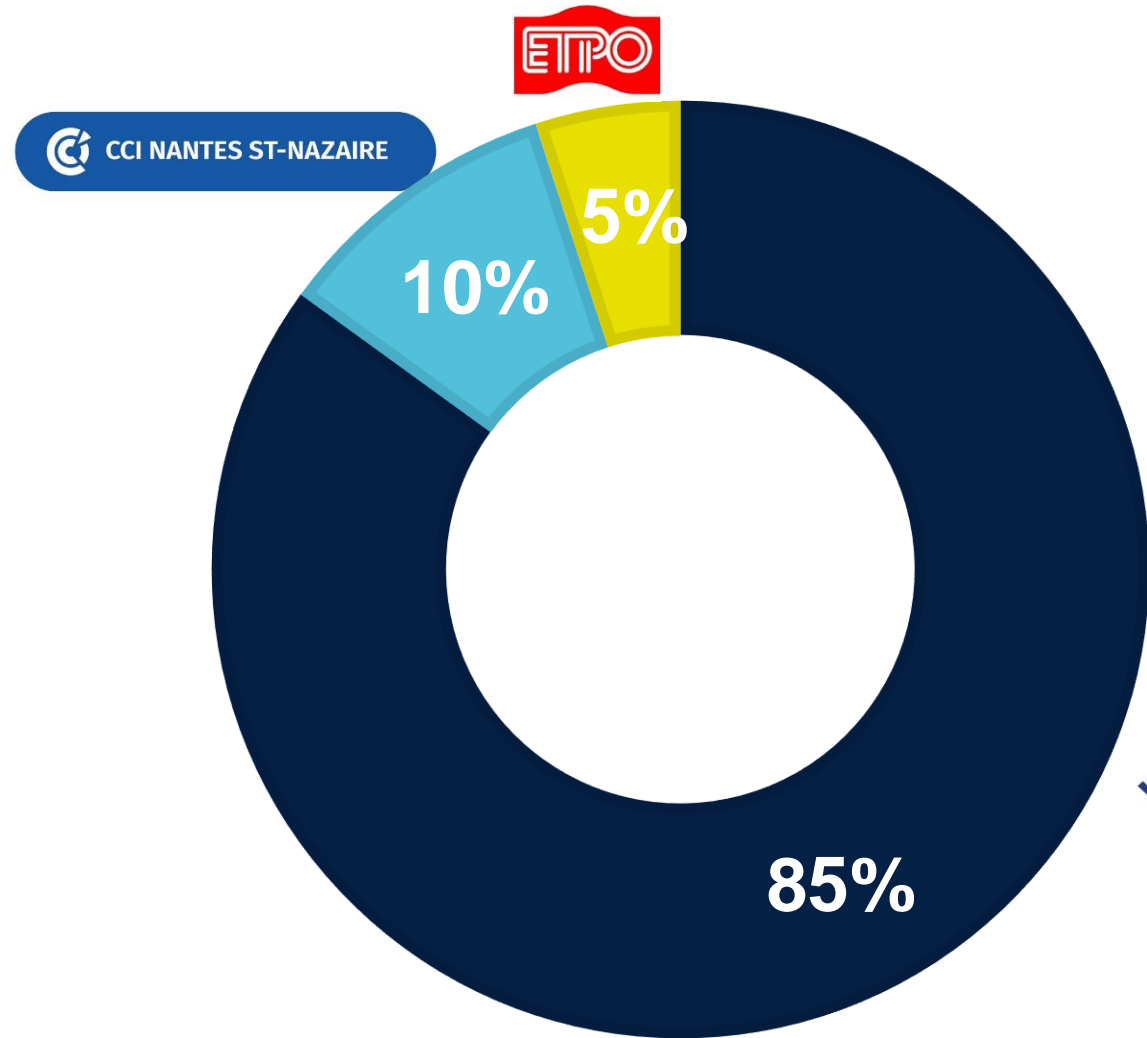
Saint-Nazaire Airport

01

Presentation

AGO : A SUBSIDIARY OF THE VINCI GROUP

SHAREHOLDERS



CONTRACT TYPE

Public Service Concession/Delegation Contract

ENTRY INTO FORCE

1^{er} janvier 2011

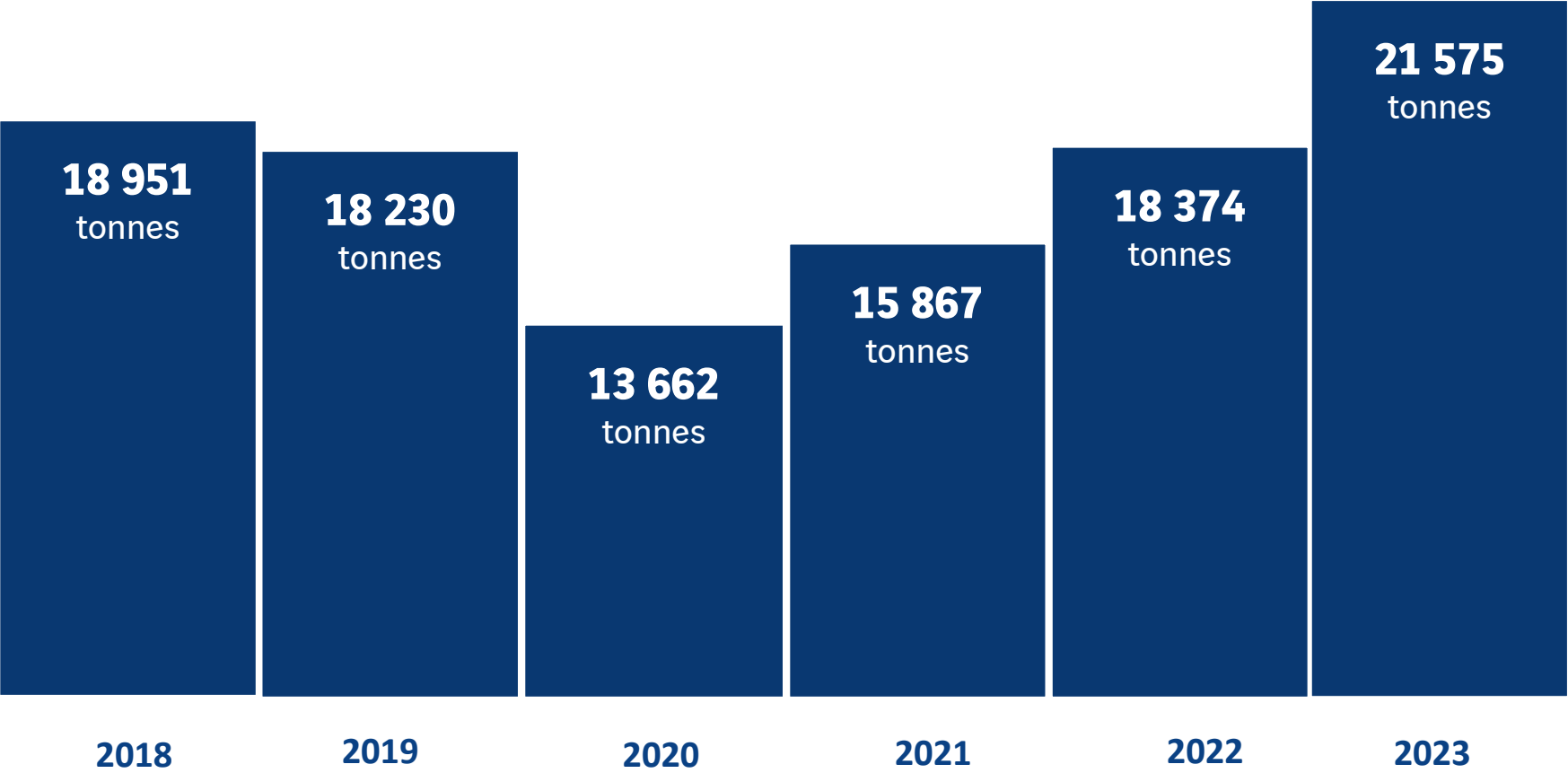
DURATION CONTRACT

55 ans



Saint-Nazaire Airport

FREIGHT WITH LINKS TO THE LOCAL AERONAUTICS INDUSTRY



Sanitary crisis COVID-19

CERTIFICATIONS

SAINT NAZAIRE AIRPORT

AGO has obtained several certifications :

2015



ACA PROGRAM

Voluntary international program to reduce greenhouse gas emissions from airports.

Level 1 : measurement of the airport's carbon footprint (scopes 1&2).



2022



ISO 14001

Management standard based on the principle of continuous improvement of environmental performance by controlling the impact of AGO's activities.



ISO 9001

International management standard based on the principle of continuous improvement in service quality and customer satisfaction at the airport.

2022



ACA PROGRAM

Level 3: measurement of the airport's carbon footprint (scopes 1,2&3) + carbon emissions reduction plan + commitment from the airport's third-party partners.

ENVIRONMENTAL POLICY

**PROTECT BIODIVERSITY
EVERYWHERE**



ZERO PESTICIDE



**HALVE OUR WATER
CONSUMPTION**



**SEND ZERO WASTE TO
LANDFILL**



**HALVE OUR CARBON
FOOTPRINT**



**100% ISO 14001
CERTIFICATION**



**NET ZERO EMISSION TO
2030**

02

Our Transition

Reduction of greenhouse gas emissions

A continuous improvement

2018

Carbon footprint:
51 teq CO₂

2020

Carbon footprint:
41 teq CO₂

2023

Carbon footprint:
36 teq CO₂

Reduction of Scope 1&2 greenhouse gas emissions

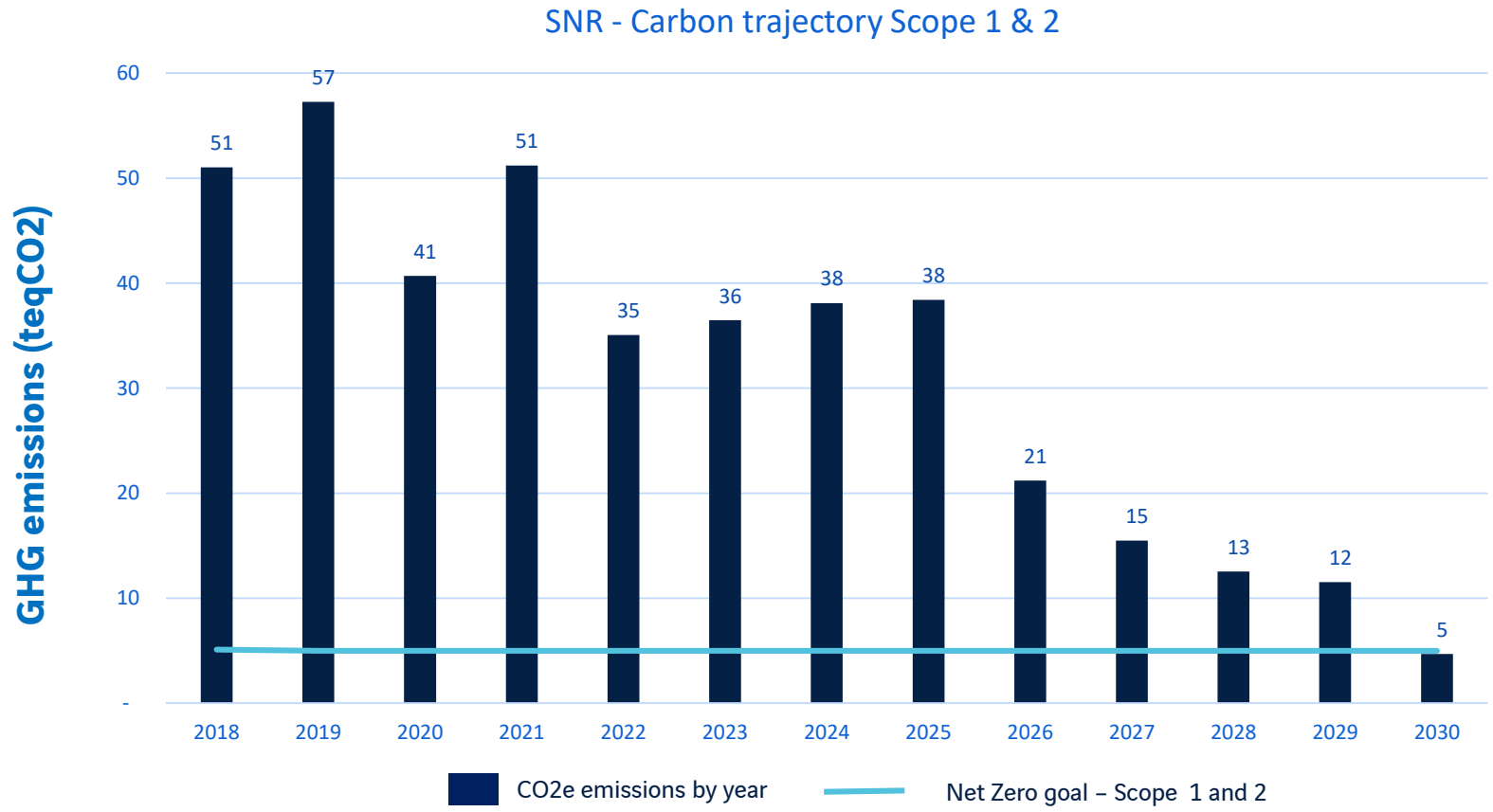
Our commitments to a sustainable future



03

Our Net Zero
Commitment

Our Net Zero road map and trajectory



Baseline: 2018

Action Plan

- 100% LED to 2025
- Biogas
- Improvement of energy management system
- HVO for firefighting trucks
- 1 electric vehicle and 1 recharging station

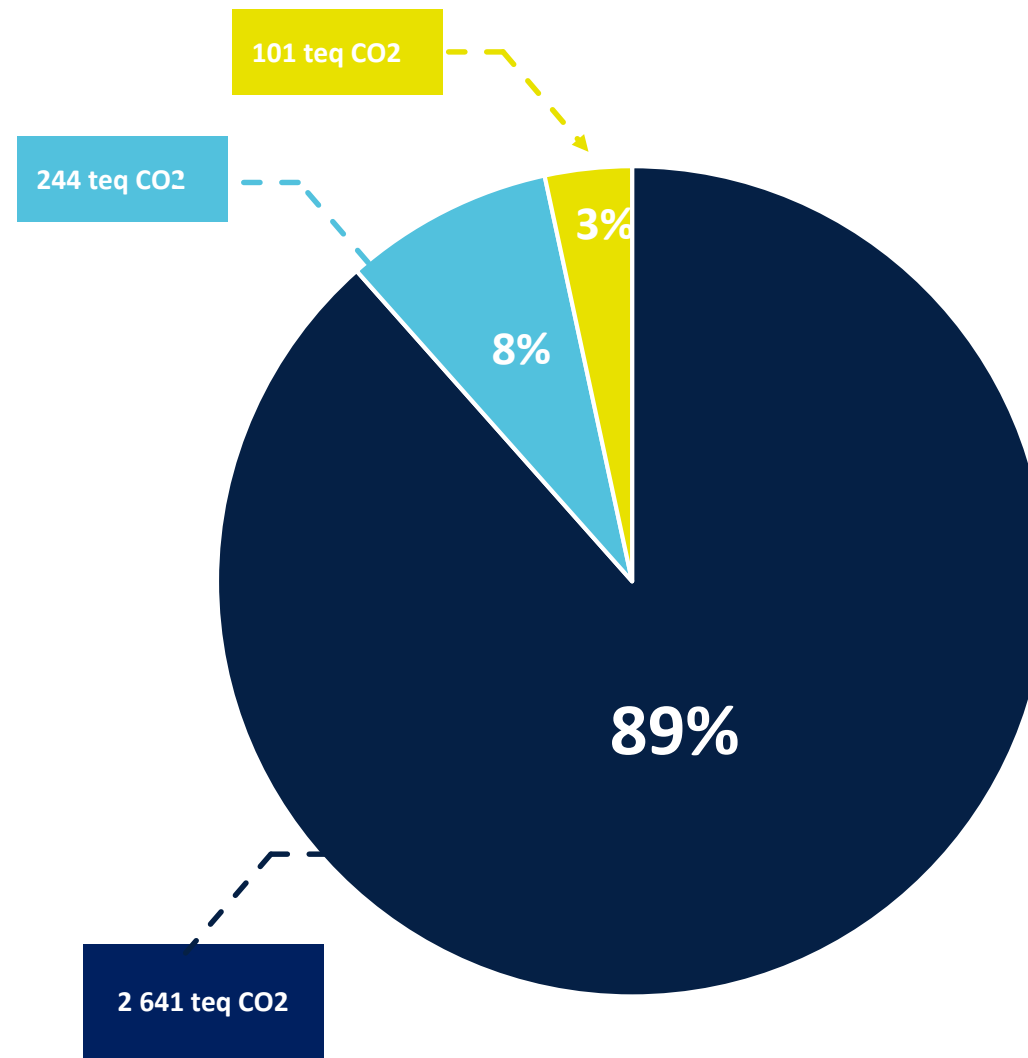
04

Acting on the
value chain
and beyond

Reduction of Scope 3 greenhouse gas emissions

Mapping of current Scope 3 emissions (2022):

- LTO cycle (landing and take off)
- APU
- Access from pax airport and employee mobility



Reduction of Scope 3 greenhouse gas emissions

Our achievements and commitments to a sustainable future

VEHICLES

- Promotion of environmentally-friendly modes of transportation
- Electrical charging stations

**Planned investments*

AIRCRAFT

- SAF Delivery

- As of 2023, VINCI Airports and TotalEnergies provide Sustainable Aviation Fuel at Saint-Nazaire Montoir airport.
- Produced from used cooking oils, the biofuel (before mixing) reduces CO2 emissions by up to 90% over the entire life cycle, compared to fossil kerosene. It is then mixed up to 30% with conventional fuel.
- Airbus, the main customer of Saint-Nazaire Montoir airport, will use this alternative fuel to refuel Belugas (cargo planes) and the shuttle between Toulouse and Saint-Nazaire.



05

Acting for the
Climate through
Carbon Sinks

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.

