Belfast International Airport

# Decarbonisation Roadmap

## TOWARDS NET ZERO EMISSIONS (2018-2050)

Update - 2026

BELFAST INTERNATIONAL AIRPORT

VINCI AIRPORTS

# Table of Contents


**01. About Us**
VINCI Airports, Belfast International Airport, our environmental policy and climate commitments

**02. Our Transition**
Our baseline, our carbon journey

**03. Our Net Zero commitment**
Our scenarios, strategic objectives, key actions being exemplary on Scope 1 and 2

**04. Acting on the value chain and beyond**
Our collaboration with stakeholders to reduce indirect emissions

**05. Acting for the climate - Carbon Sinks**
Carbon removal projects for the prosperity of the environment and society

# 01 About VINCI Airports

# VINCI AIRPORTS, 1ST PRIVATE AIRPORTS OPERATOR IN THE WORLD


**14**
countries

**+70**
airports

**17,000**
employees

**334m**
passengers

**€4,8bn**
**revenues**

# 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, VINCI Airports 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 SCOPE**

**ACTING ON THE VALUE CHAIN AND BEYOND**

**FINANCING CARBON SINKS**

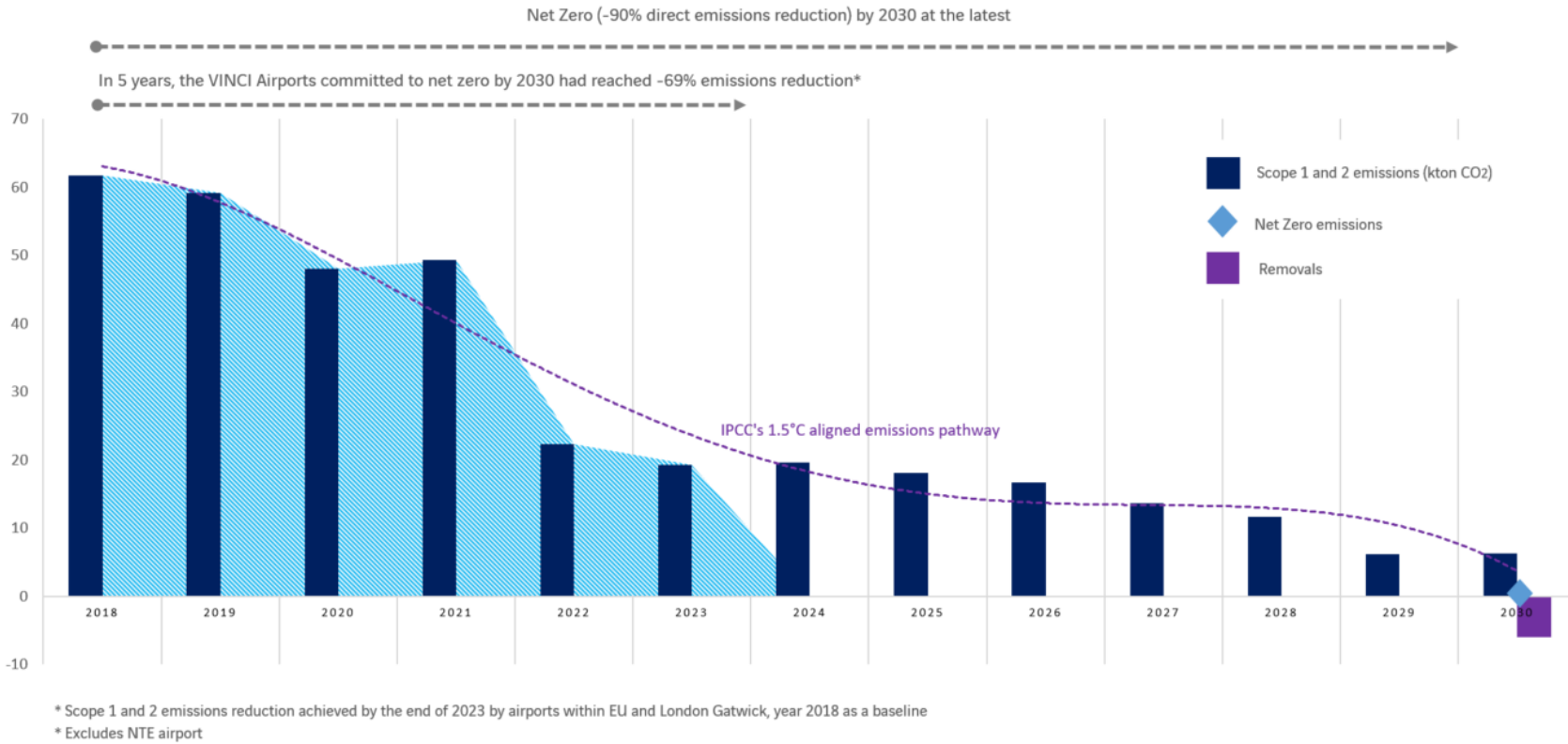
# EXEMPLARY ON OUR OWN SCOPE

## ACHIEVEMENTS IN 2025

**-65%**
OF OUR CARBON FOOTPRINT
SCOPE 1 & 2 (vs. 2018)

**67 MWp**
OF PHOTOVOLTAIC PLANTS

**56**
ACA ACCREDITED AIRPORTS
(16 Level 4+ & 4 Level 5)




* Scope 1 and 2 emissions reduction achieved by the end of 2023 by airports within EU and London Gatwick, year 2018 as a baseline
* Excludes NTE airport

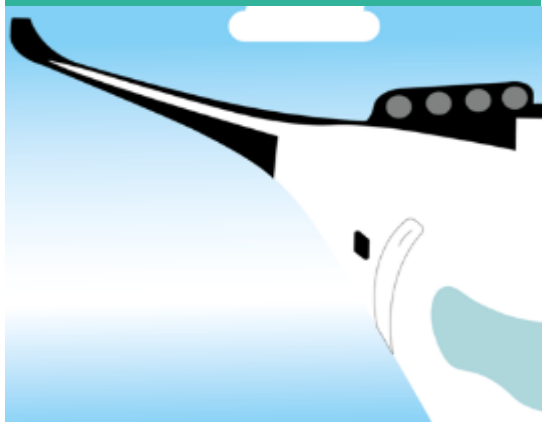
By 2025 and across its *global network*, VINCI Airports has achieved 65% reduction of its direct emissions by implementing renewable energy, energy efficiency measures, LED relamping (passenger terminal buildings, aprons, runways and taxiways, passenger carparks), low emission fleets, among other actions.

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 14 airports

## 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, Belgrade, Edinburgh 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 1486 EV charging points 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.

# Belfast International Airport

VINCI AIRPORTS

# BELFAST INTERNATIONAL AIRPORT




## SPECIFICATIONS

**Belfast International airport is Northern Ireland's principal airport and the second largest gateway on the island of Ireland. In 2024, Belfast International Airport achieved its busiest year ever, welcoming a record-breaking 6.757 million passengers.**

The Airport offers a diverse network of 70+ destinations, through its close partnerships with, easyJet, Ryanair, Jet2, and TUI.

In May 2025, Belfast International Airport officially opened its new £25m terminal extension, a milestone in the first phase of its £100m five-year investment programme.

The overall development spanned over 7,400m², including more than 2,000m² of internal refurbishment, and adhered to the world-leading BREEAM standard throughout.

Alongside this commitment to BREEAM, the Airport's 2024 achievement of Level 3 'Optimisation' in the Airport Carbon Accreditation scheme (ACA), continues to showcase its commitment to sustainability.

Additionally, the 26 MWp solar farm project is on its way, with 'SunMind' set to generate 22.4 GWh of electricity annually, significantly reducing $CO_2e$ missions.

## CONTRACT

Belfast International Airport has been 100% owned and operated by VINCI Airports since August 2018.

BELFAST INTERNATIONAL AIRPORT



VINCI AIRPORTS

# 02

# Our Transition

# REDUCTION OF GREENHOUSE GAS EMISSIONS

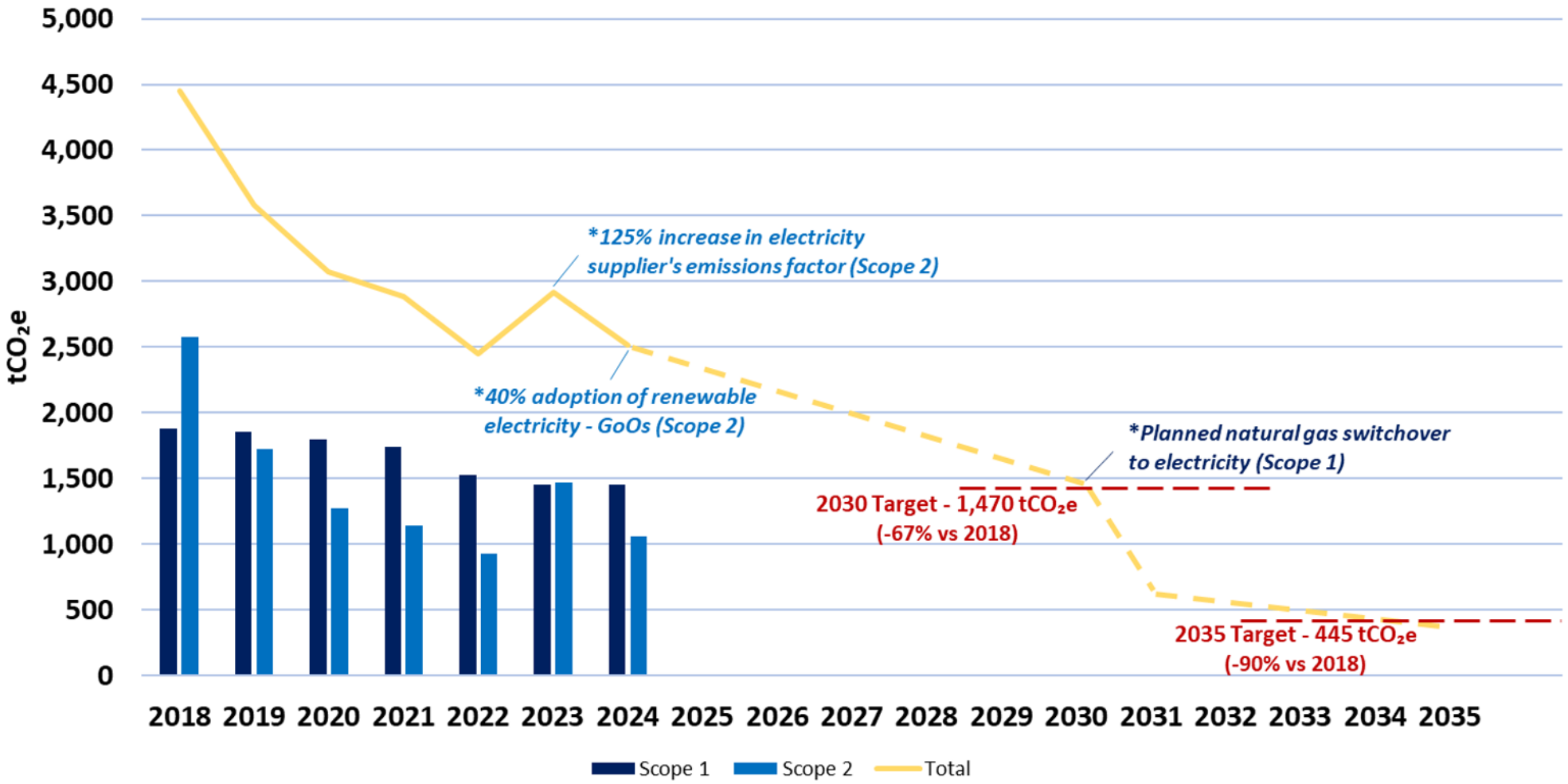
The Airport Carbon Accreditation scheme (ACA) and the improvement of the airport

| 2020 | 2021 | 2023 | 2027 | 2035 |
|---|---|---|---|---|
| ACA 1 | ACA 2 | ACA 3 | Objective ACA 4 | Objective ACA 5 |

# 03

# Our Net Zero Commitment

# OUR BASELINE, TRAJECTORY AND NET ZERO COMMITMENT




**Future investments (Scope 1 and 2) :**

- Increased adoption of renewable electricity (GoOs)
- Continued transition to electric ground vehicles
- Planned natural gas switchover to electricity (2030)
- BMS efficiency improvements – lighting, etc.

BELFAST INTERNATIONAL AIRPORT

VINCI AIRPORTS

# REDUCTION OF SCOPE 1&2 GREENHOUSE GAS EMISSIONS:

| SCOPE 1&2 EMISSIONS | DELIVERED / SOON IN OPERATION | UPCOMING |
|---|---|---|
| ENERGY | • 40% mains electricity - GoOs<br>• Approx. 26% electricity supplied via solar | • ***Target -*** 100% renewable electricity consumption<br>• Expand and improve BMS, inc. deployment of smart meter systems |
| BUILDINGS | • Integration of BREEAM during £25m terminal expansion<br>• Ongoing switchover of all lighting to LED | • Mid-term fuel switch – replacement of current boilers with low / zero-carbon alternatives (e.g. electric)<br>• Efficiency improvements - HVAC systems, building fabric, windows, etc. |
| VEHICLES | • BIA diesel-engined ground fleet switchover to HVO (complete October 2024)<br>• 13% electric vehicles | • Continue introduction of electrification vehicles |



BELFAST INTERNATIONAL AIRPORT

VINCI AIRPORTS

# 04

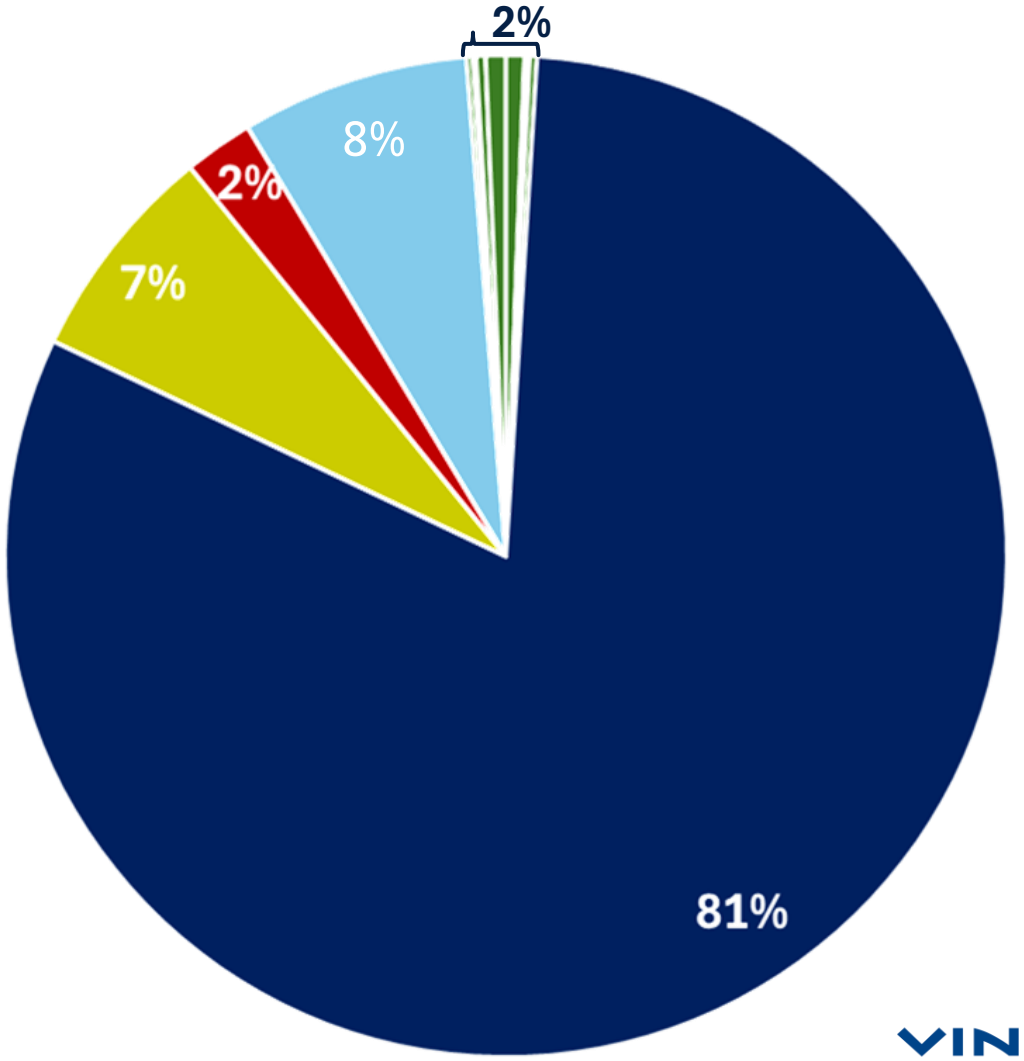
# Acting on the value chain and beyond

# REDUCTION OF SCOPE 3 GREENHOUSE GAS EMISSIONS:

Mapping of current Scope 3 Emissions :

- **APU + ENGINE TEST**
- **LTO Cycle (LANDING AND TAKE-OFF)**
- **LANDSIDE GROUND ACCESS**
- **FUEL FOR VEHICLES, MACHINERY, GSE**
- **OTHER**

*Origin of SCOPE 3 emissions (2023)*






BELFAST INTERNATIONAL AIRPORT

VINCI AIRPORTS

# REDUCTION OF SCOPE 3 GREENHOUSE GAS EMISSIONS:

| SCOPE 3 EMISSIONS | DELIVERED / SOON IN OPERATION | UPCOMING |
|---|---|---|
| VEHICLES | • Support for sustainable modes of transportation (e.g. public transport links, employee cycle to work scheme) | • Encouragement for third parties / tenants to opt for sustainable vehicle alternatives, in line with BIA & VINCI policy |
| AIRCRAFT | • Installation of 400Hz and PCA units, and electrification of GSE and related airside charging infrastructure | • Active exploration of partnerships / solutions for implementation of SAF |
| PASSENGERS | • £100,000 investment in passenger terminal waste segregration – improved waste stream quality, reducing downstream GHG emissions | • Customer electric vehicle (EV) charging stations<br>• Continual improvement in water infrastructure (passenger terminal) |



BELFAST INTERNATIONAL AIRPORT

VINCI AIRPORTS

# 05 Acting for the Climate through Carbon Sinks

# SUPPORT/INVESTMENTS IN CARBON SINKS PROJECTS

## MILLENIUM WOOD CONSERVATION SITE

The Millennium Wood is a 7-acre plot of woodland within BIA's land holding, which has been regenerated in recent years through an initial investment of £30,000.

Although carbon sink properties were not considered within pre-project planning, this is an indirect advantage of the woodland with opportunity for future development.

## AIRSIDE GRASS MANAGEMENT & SOIL IMPROVEMENT

BIA's grass management team is undergoing a project in relation to airside grass types and soil quality.

Given the airside land area which must remain clear of built infrastructure within airports, there is clear potential in pursuing such grass / soil enhancement projects.

# MILLENNIUM WOOD CONSERVATION SITE

## Project Highlights

- Long-term reforestation project – 2000 trees planted to mark the new millennium
- Proper maintenance of ground cover – supporting and enhancing soil health
- Regenerating habitats and biodiversity
- Restoring a healthy and functioning natural environment in support of crucial ecosystem services

## Co-benefits:

- Boost staff wellbeing
- Support employment opportunities
- Local community partnerships
  - Native Irish Honey Bee Society (NIHBS) conservation area
  - All-Ireland Pollinator Plan (AIPP) business supporter