

# Aena: Greening airports

## THE ROLE OF AIRPORTS IN THE EUROPEAN GREEN DEAL

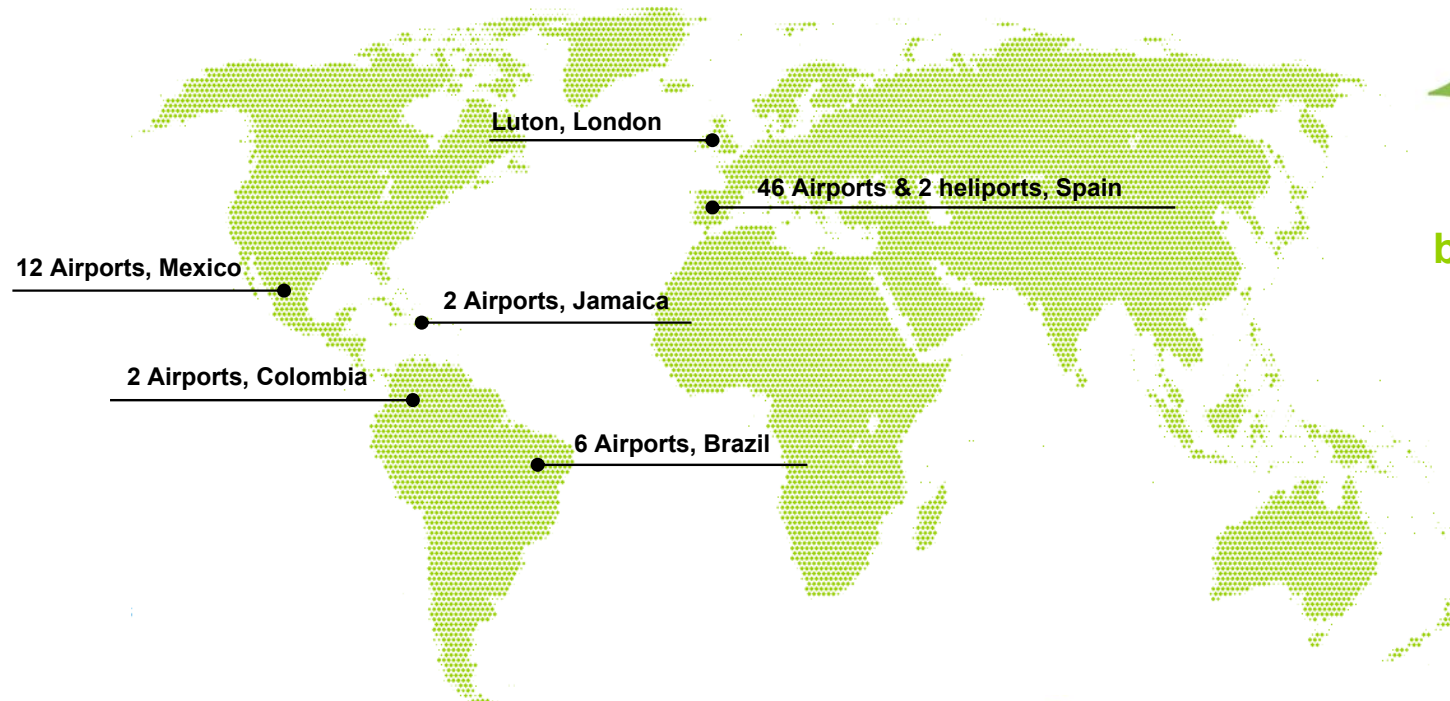


Sustainability Division

06/09/2020



# AENA AT A GLANCE - 2019



**Aena is one of the biggest airport net in the world by passenger number**



**69** airports all around the world



**353** Mpax

136.430,4908

# CURRENT MILESTONES ACHIEVED



2019

Reduction of  
CO<sub>2</sub> emissions

↓ 53% CO<sub>2</sub>\*

Renewable  
energy

2019: **60%** purchase of renewable source energy  
2020: **100%** purchase of renewable source energy

Reduction of  
handling  
emissions

↓ 20-30% CO<sub>2</sub>



Thanks to the actions carried out on decarbonisation, in 2019 we met the emission reduction targets set out in Aena's Climate Change Strategy.

These milestones reached are aligned with the objectives established in current regulations at European and national level and allow us to advance on the path of decarbonization.

\* Absolute value obtained with respect to 2015 (base year): Scopes 1 and 2 (Market based criteria)

# AENA'S NEW CLIMATE OBJECTIVES

2026

CARBON NEUTRALITY with offsetting



Advancement of the achievement year from 2030 to 2026

2026

Level 3+ carbón neutral accreditation several airports



Advancement of the achievement year from 2030 to 2026 and incorporation of more airports into the program

2026

100% self-supplying electricity from renewable sources



We have increased the % of self-consumption from 70% al 100%

2040

NET ZERO carbon



We have advanced the achievement of ACI's NET ZERO Carbon to 2040 instead of 2050

AENA'S COMMITMENT HAS EVOLVED, UPDATING ITS INITIALLY ESTABLISHED OBJECTIVES, MAKING THEM MORE AMBITIOUS, AND BRINGING FORWARD IN TIME OUR DECARBONIZATION CHALLENGES

# MAIN DECARBONIZATION ACTIONS CURRENTLY EXECUTED

**CONSTRUCTION OF SELF-CONSUMPTION RENEWABLE ENERGY FACILITIES**



**ELECTRIC CHARGE POINTS**



**PURCHASE OF 100% RENEWABLE ENERGY WITH GUARANTEES OF ORIGIN IN ALL AIRPORTS IN THE NETWORK**



**COLLABORATIVE MEASURES**



**ACI EU AIRPORT CARBON ACCREDITATION PROGRAM**



**HANDLING EMISSIONS REDUCTION PLAN**



**ENERGY EFFICIENCY ACTIONS**



**PROMOTING INTERMODALITY AND SUSTAINABLE MOBILITY**



# MORE SIGNIFICANT ACTIONS PLANNED



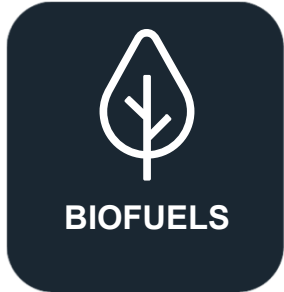
RENEWABLE  
ENERGY

## Aena's Photovoltaic Plan

- ✓ 100% self-supply of energy from renewable sources in our airports net by 2026
- ✓ Production 950 GW per year = consumption of 280,000 homes / year
- ✓ Investment: more than 350 M €
- ✓ More than 740 hectares of surface in 14 airports



# MORE SIGNIFICANT ACTIONS PLANNED



## REDUCING OUR SCOPE 1

### SHORT TERM

- Replacement of diesel for biofuel in boilers and power generator
- Replacement of natural gas for biogas in equipments
- Use of HVO in vehicles
- Replacement of diesel vehicles with electric vehicles
- Increase in charging points
- Reinforcement of the electrical network

### MEDIUM TERM

- Progressive change to hydrogen generators
- Use of geothermal or hydrothermal energy to feed the cold/heat system in airports
- Refurbish of vehicles using hydrogen fuel cell
- Boosting Hydrogen production (HYDROGEN STATIONS)

# MORE SIGNIFICANT ACTIONS PLANNED



## PROMOTING THE REDUCTION OF SCOPE 3 EMISSIONS

COLLABORATIVE PROJECTS WITH OUR PARTNERS TO PRODUCE AND BOOST THE USE OF SAF AT SPANISH AIRPORTS





# Thanks

## Towards a sustainable development



 **Social**  
Development

 **Economic**  
Development

 **Environmental**  
Sustainability

Company committed to the United Nations Sustainable Development Goals (SDG)



AGENDA  
**2030**