



ADR's path to Net Zero 2030

May 31st, 2024

INTRODUCTION

Aeroporti di Roma (ADR), the company that manages both airports in Rome, Fiumicino and Ciampino, has introduced several initiatives in terms of **sustainability, energy saving, separate waste collection and recycling**, with the aim to become an airport with a **low environmental impact**.

Fiumicino and Ciampino airports have obtained the **certification from ACI Europe Airport Carbon Accreditation 4+ “Transition”** on the reduction of direct and indirect CO2 emissions at airports – becoming the **first in Europe** to do so. Fiumicino has been carbon neutral **since 2013**.

Our next goal is to completely cut our emissions to zero and produce **Net Zero Emissions by 2030 – 20 years earlier** than the deadline which was set at the European airport sector level [Net Zero 2050].



Already carbon neutral (since 2013), Aeroporti di Roma aims to reach Net Zero emissions by 2030, well ahead of the date which has been set for the European airport sector – Net Zero by 2050.

ADR'S SUSTAINABILITY MISSIONS and GOVERNANCE

MISSION

ADR contributes **significantly** to the **economic** and **social development** of the country and the territory in which it operates, is tenaciously committed to **reducing** its **environmental footprint** and offering its **customers** the best **travel experience**.

ADR quantifies its impact through a **socio-economic impact analysis**

GOVERNANCE: OUR COMMITMENT TO SUSTAINABILITY



- **Sustainable Development Committee**

supports the assessments and decisions of Board of Directors regarding the definition and implementation of sustainability plans and the planning and implementation of investments to support the development, maintenance and operation of airport infrastructure



- **Sustainability Committee**

fosters coordination between the various corporate functions and Top and Middle Management in defining the Sustainability Plan, monitoring its objectives. It is also in charge of fostering relations with stakeholders to integrate scientific and institutional instances, as well as ensuring constant comparison with best practices.



- **Sustainable Finance Committee**

prepares updates to the Green Financing Framework and Sustainability-linked Financing Framework, selects and evaluates sustainable corporate investments, and deals with the allocation of financial resources from green financing



- **Sustainability Department**

defines and monitors objectives and initiatives by fostering coordination between business functions and contributing to the achievement of sustainability goals, as well as dealing with sustainability reporting and proposing sustainability initiatives to be implemented in all business areas



- **Energy & Environment Departments and ISO process**

implement daily activities and solutions to reduce the environmental impact of airport operations

GOAL AND PILLARS

OUR MAIN SUSTAINABILITY GOAL

ADR has decided to **completely set to zero its emissions** and therefore **become Net Zero Emission by 2030**, 20 years earlier compared to European airport sector' target (2050).

NET ZERO CARBON by 2030

SUSTAINABILITY STRATEGY: OUR 3 PILLARS

The strategy to achieve this **objective** is based on a **Sustainability Plan** consisting of a structured set of objectives and programs (>100) measured with KPIs, organized on three **pillars**:

PEOPLE

- **Passenger-focused:** operational excellence and quality of services, positioning as a "diffuse museum"
- **Communities and stakeholders'** inclusion strategies
- **People care** strategy

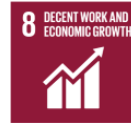
ENVIRONMENT

- **Decarbonization:** reduction of energy consumption, renewable energy sources and alternative fuels
- **Circular economy** initiatives and reduction of waste generated
- Maximize **water treated to be reused** usage

DEVELOPMENT

- **Green & Resilient Infrastructure** development
- **Sustainable Finance**
- **Innovation ecosystem & partnerships** with Italian industry champions, increasing ESG performance along the **value chain**

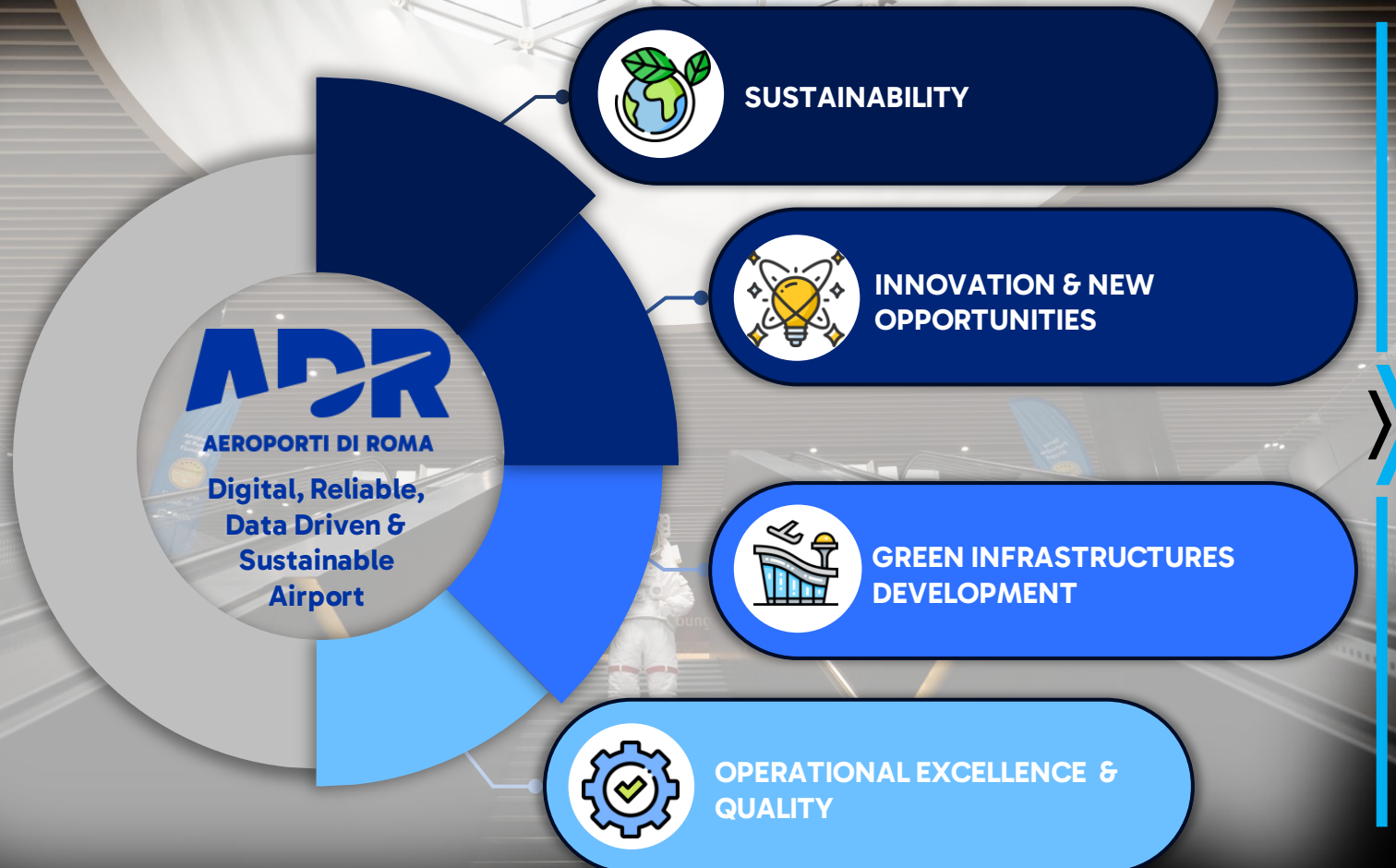
LINK TO UN'SDGs



THE ADR'S STRATEGY

BASED ON FOUR PILLARS

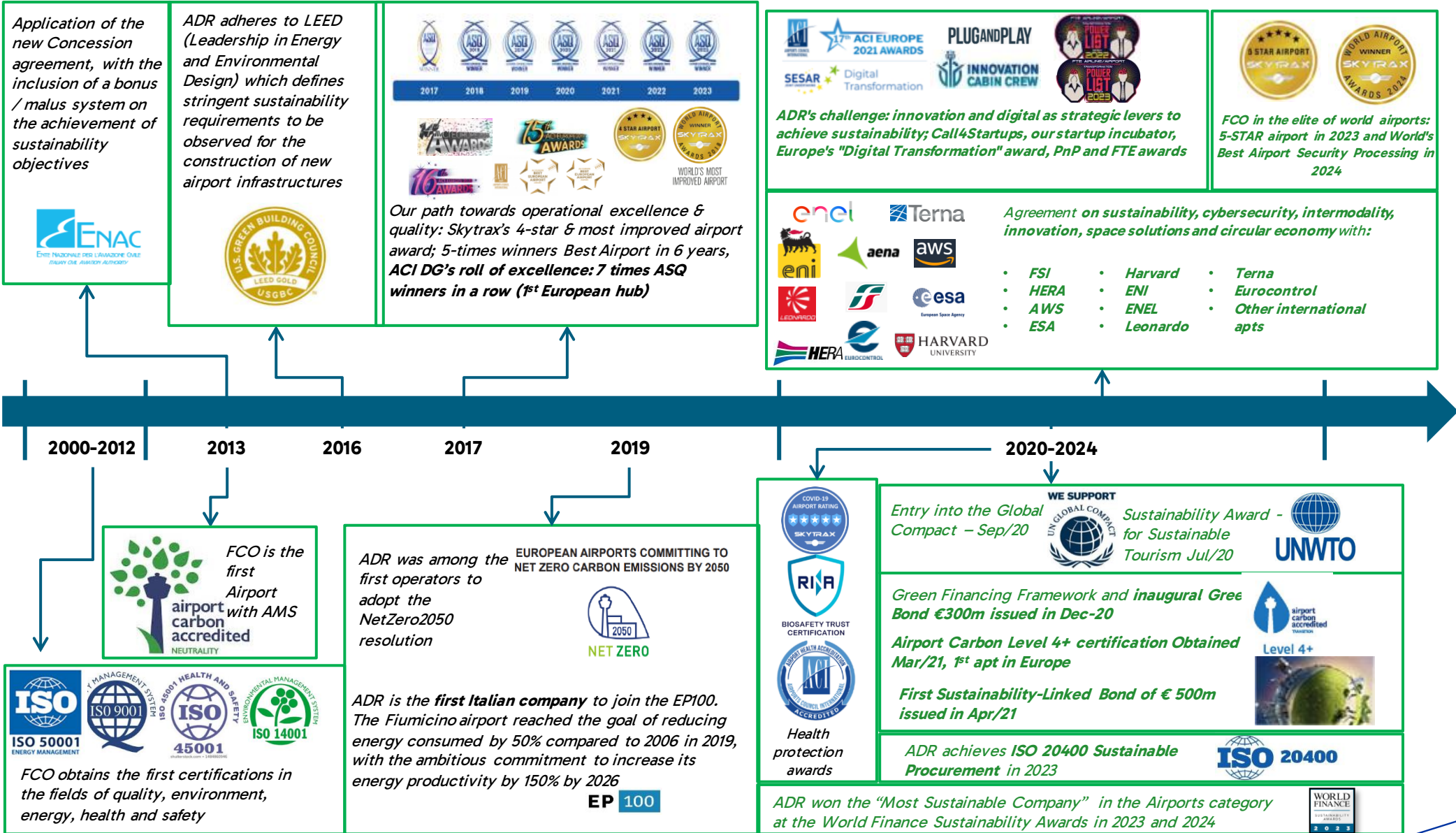
OUR DAILY EFFORT IS ORIENTED TO MAINTAIN THE HIGHEST STANDARD OF AIRPORT SERVICES AND TO CONTRIBUTE TO SHAPE THE INDUSTRY OF THE FUTURE



And also impacts the entire aviation industry:

- **sustainability** and **carbon zero** goal,
- **investment in innovation:** startups and new ways of **mobility**,
- **LEED & BREEAM** terminals and piers,
- new **frontiers of operational excellence** and **customer experience**

OUR TRACK RECORD: SUSTAINABILITY, QUALITY & INNOVATION



ADR's CO2 Key Performance Indicator



ADR has selected the following KPI, which is core, relevant, and material to the business and measure the sustainability improvements of the CO2, as climate action:



KPI: CO2 emission reduction scope 1 and 2 (kton /year)

Scope 1 and 2 emissions are all the CO2 emissions under ADR control and are measured in kton/year.

The total amount of CO2 scope 1&2 emissions is calculated according to the A.C.A. (Airport Carbon Accreditation) rules for Level 4+.

A.C.A. program is based on independent third-party emissions' verification and certification

Sustainable airport roadmap towards 2030 objectives

Priorities	Actions	SDGs
<p>Zero emissions airports 2030</p>	<p>ADR has been among the first operators to embrace NetZero2050 resolution.</p> <p>Now ADR is committed to achieve net zero airports carbon emissions by 2030 leveraging on the following activities and projects:</p> <ul style="list-style-type: none">• Renewable Energies: realization of multi MW photovoltaic power plants;• Low carbon mobility: increasing smart and clean mobility to and from the airport by investing in hundreds electric recharging stations with clean energy availability and facilitating electric car sharing; converting company fleet to electric installing dedicated recharging stations and making available HVO (Hydrotreated Vegetable Oil), a fuel with extremely low emissions deriving from UCO (Used Cooking Oil) for vehicles that cannot be easily electrified.• Green Buildings: the infrastructure plan is based on new, existing or refurbished buildings which have received at least one of the following criteria: the LEED Gold, BREEAM Very Good, EPBDA;• Energies efficiency and technologies: continuous monitoring of consumptions through latest generation technologies and intelligent use of energy resources; implementation of actions and investments to guarantee energy savings; realization of an electrical storage composed of batteries previously used on electric vehicles to store energy produced by photovoltaic systems.• Other Initiatives: contributing to sustainable aviation fuel, making biofuel available at the airport distribution center.	 



Sustainable airport roadmap towards 2030 objectives

With the dual objective of guaranteeing the best energy supply strategy and eliminating direct CO2 emissions, ADR has launched a plan of initiatives in the field of green energy, contributing to decarbonization and usage of renewable resources and alternatives fuels.

SECOND LIFE BATTERIES STORAGE

- The "**second life batteries**" project, which will add an electrical storage system consisting of "second life" batteries discarded from electric vehicles and in good condition, for a total power of 2.5 MW and a storage capacity of 10 MWh (Fiumicino).



LOW-EMISSION FUELS

The ALIGHT concept will bring forward the necessary solutions, knowledge, guidelines and best practice handbooks supporting an efficient airport paradigm shift towards zero emission aviation and airport operation (Fiumicino and Ciampino)



Emission Forecast Net zero Carbon – Fiumicino

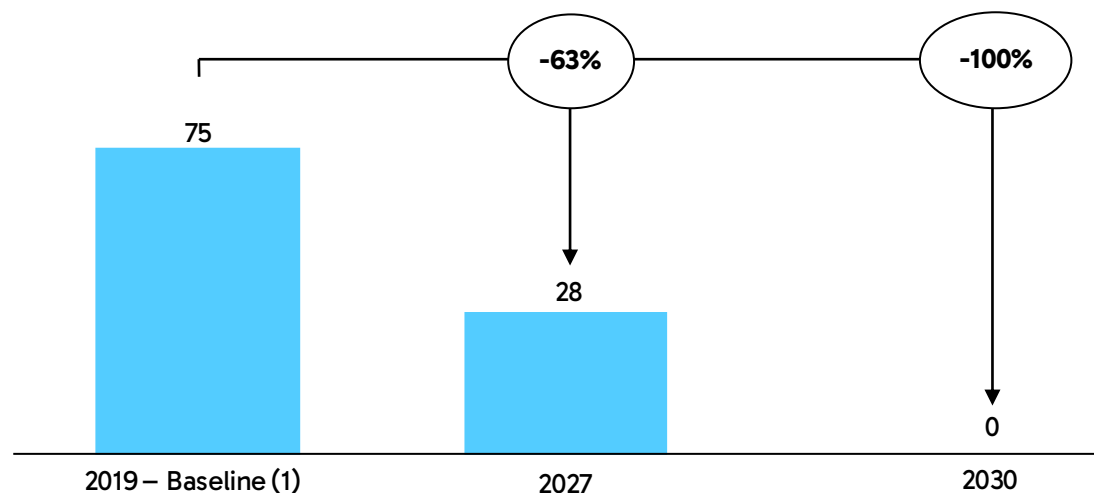
KPIs

**CO₂ Emission
-
Scope 1 and 2**

CO₂ (k tons)

Market Based (1)

Sustainability Performance Targets



Target related to years 2027 and 2030 are in line with Green Financial framework (Sustainability Linked Bond).

Changes occurred since 2021

Modification

Impact- Scope 1

Impact- Scope 2

Adr Ingegneria and Adr Infrastrutture have joined **ADR Group** since 2021

Increase of Scope 1
CO₂ emission related to fixed and mobile sources

N.A.

Leonardo Energia (company that operates boilers, CHP unit and PV plants) became 100% owned by **ADR** since July 2022

Increase of Scope 1
considers all of gas consumed by the boilers and CHP unit and doesn't consider anymore electricity and thermal energy purchased.

Zeroing of Scope 2 - Market Based
considers all of gas consumed by the boilers and CHP unit and doesn't consider anymore electricity and thermal energy purchased.

Purchase of green electricity from the grid (since 2021)

N.A.

Zeroing of Scope 2 - Market Based
due to the fact that **ADR** is purchasing only green energy from the grid since 2021, so CO₂ emissions are equal to zero

(1) Market Based: 2019 Baseline has been updated with the assumption that the company in charge of production plant (Leonardo Energia) was already owned by ADR

Emission Forecast Net zero Carbon – Ciampino

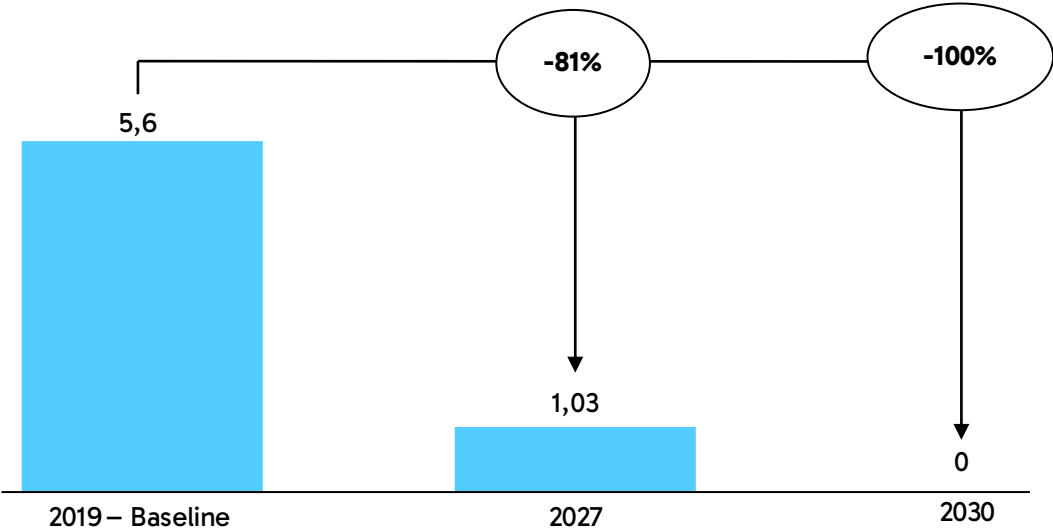
KPIs

CO₂ Emission - Scope 1 and 2

CO₂ (k tons)

Sustainability Performance Targets

Market Based (1)



Changes occurred since 2021

Modification	Impact- Scope 1	Impact- Scope 2
Purchase of green electricity from the grid (since 2021)	N.A.	Zeroing of Scope 2 - Market Based due to the fact that ADR is purchasing only green energy from the grid since 2021, so CO2 emissions are equal to zero

(1) Since 2021 ADR purchases only green electricity from the grid



THE PACT FOR THE DECARBONISATION OF AIR TRANSPORT

THE PACT

The Pact has been drawn up is an alliance, **promoted by Aeroporti di Roma**, to give a radical change to the achievement of **sustainability** objectives in the air transport sector to support and accelerate industry's goal to reach Net Zero Emissions target by 2050.

GOAL

Like an aviation-focused COP, Pact's goal is to start a fruitful, constant dialogue among the industry's main actors to develop a scientifically-based path leading **to build a sustainable decarbonisation process for air transport**

HOW

- By defining a shared methodology
- By planning a set of objectives based on the positioning of the industry
- By evaluating pros & cons of the various potential actions, according to a sustainable perspective
- By reasoning on current political norms and discuss most adequate tools that could potentially support transition in medium-long term

EU PARLIAMENT PRESENTATION AS AN AVIATION "BEST PRACTICE"



MANIFESTO SIGNERS



ATTENDANCE AT COP28

The Pact, through the joint initiative of Aeroporti di Roma and Eni, has been selected by the Italian Ministry of the Environment and Energy Security to participate in the 28th Conference of the Parties of the United Nations Framework Convention on Climate Change (COP28)

FOUNDATION

Given the importance assumed by the Pact and its activities, ADR has created a Foundation to:

- grant legal personality to the initiative,
- involve the adhering companies in the overall organizational effort,
- capitalize on a knowledge heritage by broadening its field of action.