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Airport Carbon Accreditation

*The global carbon management
standard for airports*

**Olivier Jankovec,
Director General, ACI EUROPE**





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AIRPORT INDUSTRY COMMITMENT

**17th ACI World General Assembly,
Buenos Aires, 6 November 2007:**

**The global airport industry commits
*“...to reduce carbon emissions, with the
ultimate target of becoming carbon neutral.”***

MONTREAL, CANADA, NOVEMBER 29-30, 2017



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WHY Airport Carbon Accreditation?

- Europe at the forefront of Climate Change action
- Beyond the commitment... **Effective tool to make it happen**
- Developed **by airports for airports**
- Two-fold objective:
 - *Technical guidance for airport carbon management*
 - *Framework for public recognition*
- **Flexibility & progressivity**



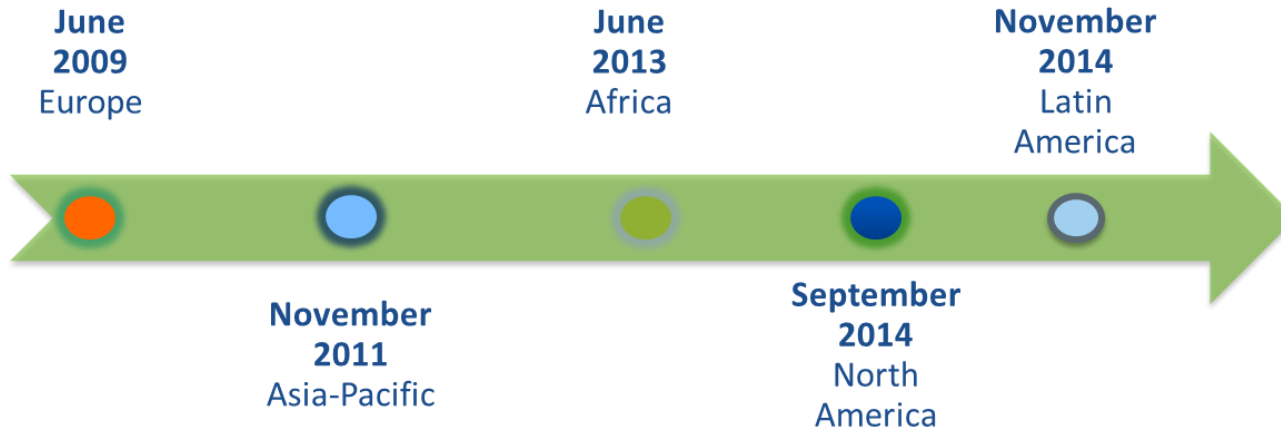
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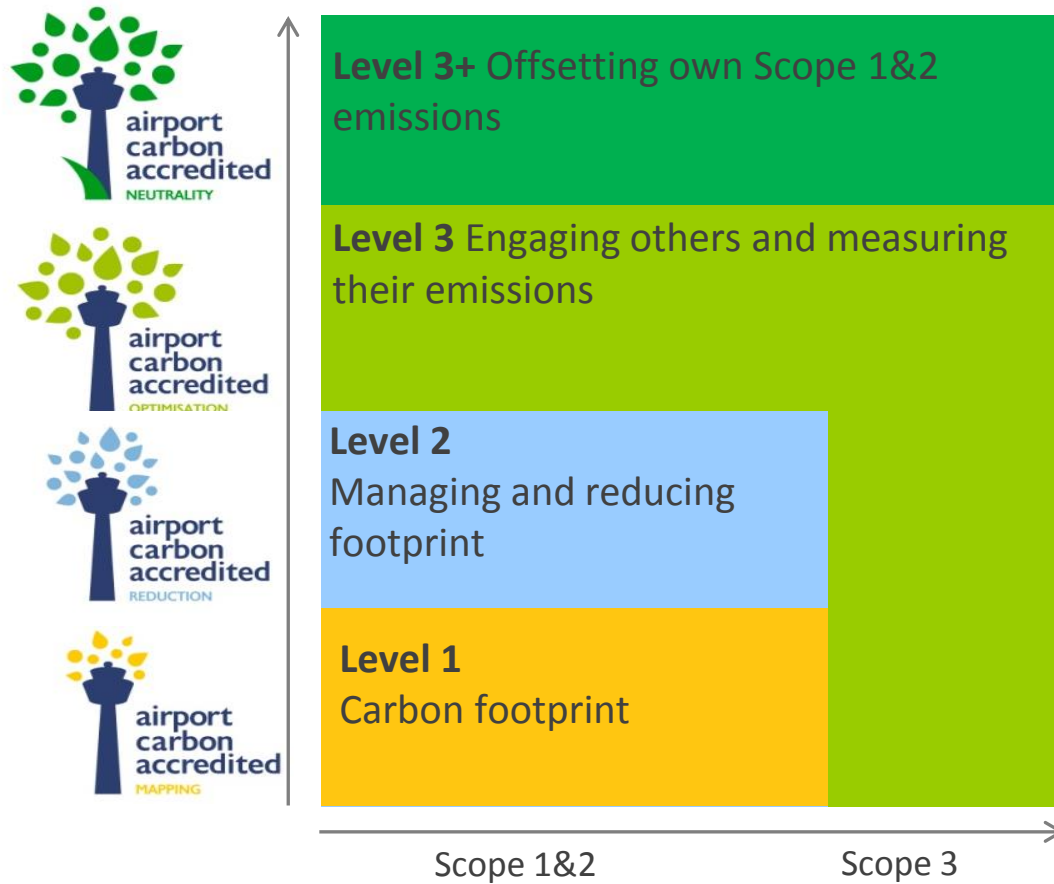
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GLOBAL SINCE 2014



**Only global standard
for carbon management @ airports
&
INDUSTRY LEADERSHIP**

4 ASCENDING LEVELS of certification





KEY FEATURES

Ambitious reduction obligations

- As of level 2, reductions have to be demonstrated on a yearly basis
- Offsetting is only allowed for residual emissions that cannot be reduced by other means

Support to sustainable “door-to-door” journey

- As of level 3, airports must encourage other stakeholders operating at the airport to reduce their emissions (e.g. airlines, public transportation operators, retailers)

Independence

- Award of accreditations is independent from ACI
- Supervision by independent Advisory Board



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Ambitious REDUCTION OBLIGATIONS

- **Reduction initiatives include:**
 - Replacement of air-cooled with water-cooled chillers
 - Use of LED lights
 - Demand-driven lighting, heating/cooling
 - Use of solar & wind power
 - Power plant modernization/cogeneration
 - Ground vehicles powered by sustainable alternative fuels/electricity



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Sustainable DOOR TO DOOR journeys

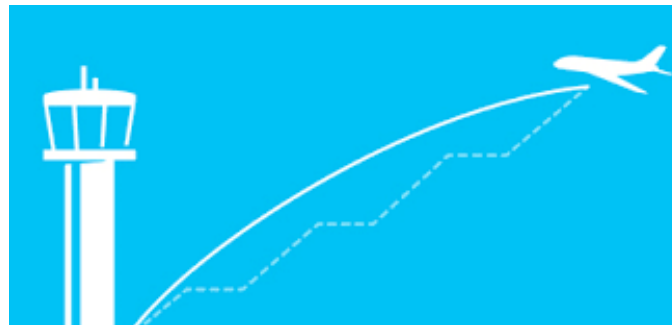
**Fixed Electrical Ground Power (FEGP)/
Pre-Conditioned Air (PCA)** to reduce the
use of Auxiliary Power Units (APUs)



Sustainable taxi fleet



**Airport Collaborative
Decision Making (A-CDM)
& Continuous Descent
Operations (CDOs)**



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AIRPORT DRIVEN programme

- **Design & rules = ACI Task Force**
 - „Founding Fathers”



Swedavia
Airports



Heathrow
Making every journey better



- Now expanded & global coverage

- **Guidance – technical evolution**

INDEPENDENCE

- Independent Programme Administrator



- Independent third party verification of airports' applications



- Independent Advisory Board





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BENEFITS for airports

- Embedding carbon management in overall **business strategy**
- Achieving **real carbon emissions' reductions...**
 - ... Contributing to national, Global & Industry climate targets
- **Improved performance & operational/costs efficiencies** for both airports and third parties
- Enhance **cooperation between airport staff & operational partners**
- Facilitates **information sharing & exchange of best practices**
- **Gaining public recognition**
 - Individual airport
 - Airport industry

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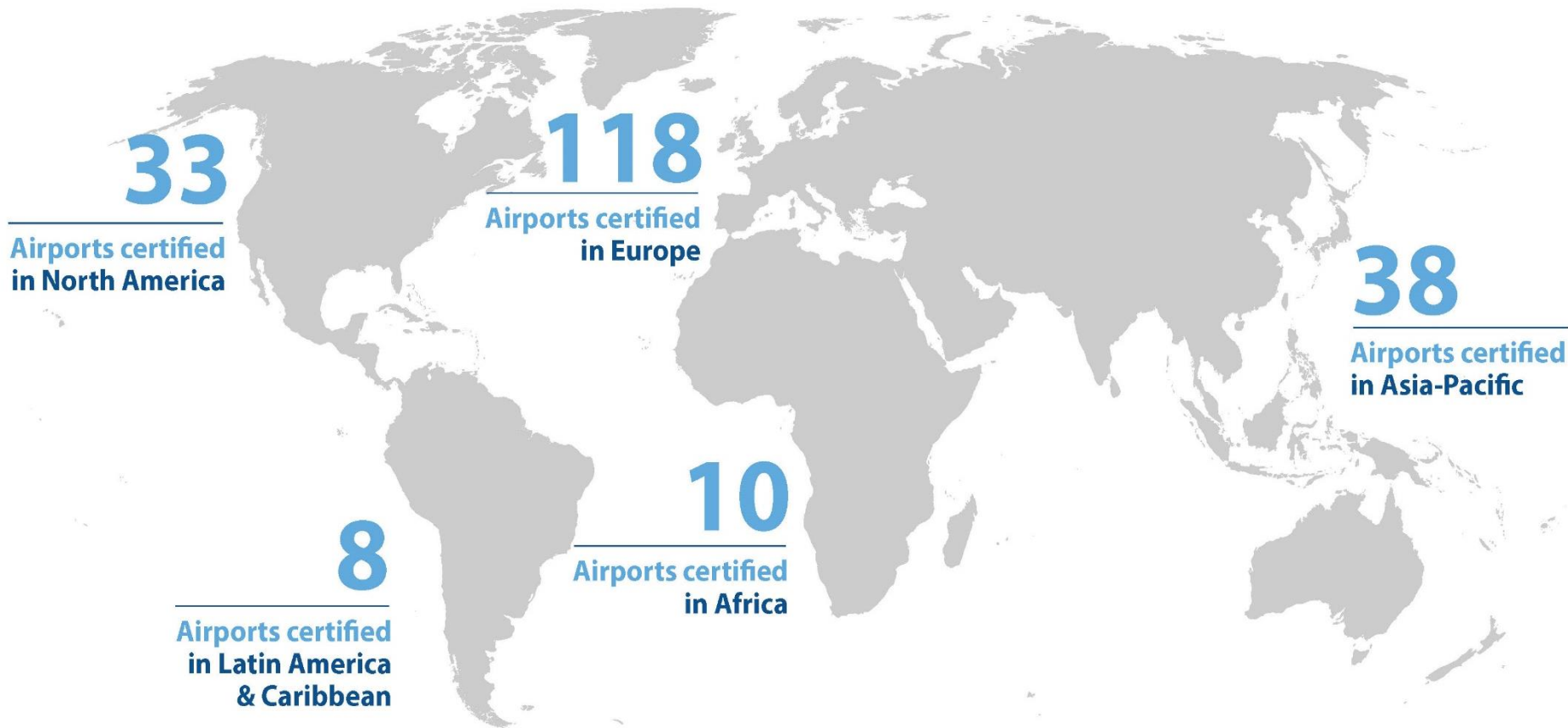


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207 Accredited Airports Worldwide



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207 Accredited Airports Worldwide

Welcoming
2.9 billion
passengers
per year.

In **61**
countries
across
the world.

Or **41.5%**
of global air
passenger
traffic.

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Carbon Neutral Airports Worldwide

HELSINKI AIRPORT
FINAVIA – for smooth travelling

HYDERABAD INTERNATIONAL AIRPORT | **GAR**

YOUR LONDON AIRPORT
Gatwick

 **swedavia**
SWEDISH AIRPORTS

DFW DALLAS FORT WORTH INTERNATIONAL AIRPORT

Schiphol
Amsterdam Airport


AÉROPORTS de LYON

EindhovenAirport


ATHENS
INTERNATIONAL AIRPORT
ΕΛΕΥΘΕΡΙΟΣ ΒΕΝΙΖΕΛΟΣ


manchester airport

 **AVINOR**

35


Sunshine Coast AIRPORT


Chhatrapati Shivaji INTERNATIONAL AIRPORT MUMBAI


GROUPE AEROPORTS DE LA COTE D'AZUR


SEA


ERIA
AEROPORT INTERNATIONAL FELIX HOUFROUET BOSSNY D'ABIDJAN


ICF Airports


Bengaluru INTERNATIONAL AIRPORT


DELHI INDIRA GANDHI INTERNATIONAL AIRPORT


east midlands airport

 **Aeroporti di Roma**


SAVE
GRUPPO SAVE

carbon neutral airports


TAV
Airports
Tepe Akfen

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ACI EUROPE commitment



100 carbon neutral airports in Europe by 2030

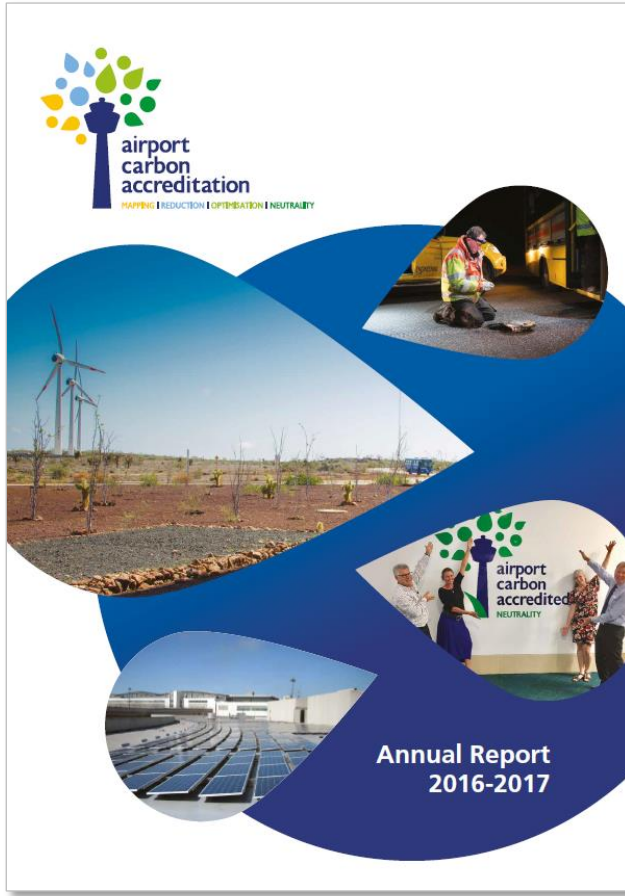


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ANNUAL REPORT 2016-2017



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EMISSION REDUCTIONS 2016-2017

-202,184 tonnes of CO₂



= CO₂ emitted
during the lifecycle
of 2,128,252 iPhones

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RECOGNITION

*“**Airport Carbon Accreditation** is a highly significant initiative by airports for meaningful and measurable action in addressing their greenhouse gas emissions. I commend ACI for its success with the programme, in line with ICAO’s global strategy for dealing with climate change”.*



Dr. Fang Liu, Secretary General, ICAO

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RECOGNITION (2)

*“What **Airport Carbon Accreditation** has achieved over the last seven years is both surprising and inspiring. (...) there is much that other industries can learn from this and even emulate”.*



Patricia Espinosa
Executive Secretary, UNFCCC



Airports, UNFCCC Sign Partnership Aimed at Climate Neutrality

**CLIMATE
NEUTRAL**

**MEASURE
REDUCE
OFFSET** **NOW**



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A UNIQUE PROGRAMME

- **Voluntary industry initiative**
- **Designed by airports & for airports & covering all airport operations**
- **Focuses on actual performance**
- **Provides a clear indication of the level of an airport's contribution to a specific environmental challenge**
- **More than just a certification scheme**
 - **A community of accredited airports & sharing best practices**

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THANK YOU

www.airportcarbonaccredited.org

www.airportCO2.org