

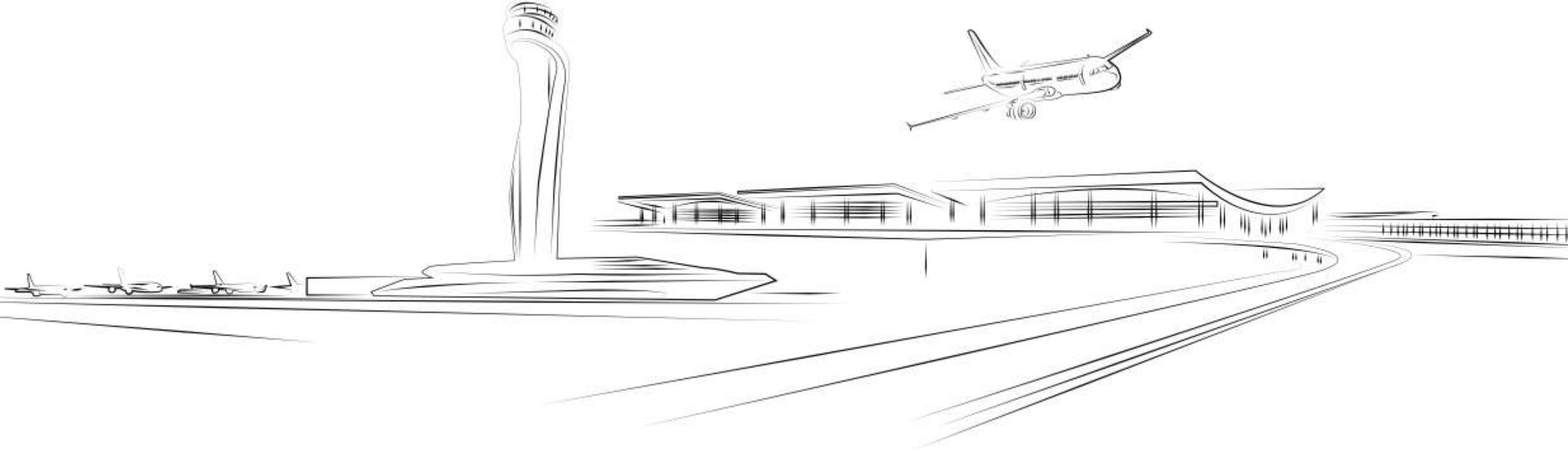


# DHMI (TÜRKİYE)

General Directorate of State Airports Authority

Roadmap Towards

*Net Zero Carbon 2050*





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# 2050 Net Zero Commitment



- The aviation sector is among the most critical industries required to address the challenges posed by climate change. In this context, airport infrastructure and operations play a pivotal role in supporting the transition toward a sustainable and low-carbon future. In line with the Paris Agreement, to which Türkiye is a party, the General Directorate of State Airports Authority (DHMI), as the state authority responsible for the operation of airports in Türkiye, is committed to achieving Net Zero CO<sub>2</sub> emissions by 2050 through reducing energy and fuel consumption, investing in energy-efficient technologies and vehicles, and promoting the use of renewable and zero-carbon energy sources.
- With 45 airports certified at different levels under the Airport Carbon Accreditation (ACA) Programme, DHMI has become one of the leading airport operators in Europe in terms of environmental and sustainability performance. Furthermore, DHMI endorsed the “Toulouse Declaration,” adopted on 4 February 2022 under the leadership of the European Union, which represents the first joint public-private sector commitment aimed at achieving net zero CO<sub>2</sub> emissions in European aviation by 2050.
- In alignment with the IPCC’s 1.5°C climate target, DHMI launched the “Carbon-Free Airport Project” in 2020 to minimize the environmental impacts arising from airport operations and to ensure sustainable airport management practices. Within the scope of this initiative, comprehensive activities related to greenhouse gas management, efficient use of natural resources, air quality, noise management, waste and wastewater management, and chemical management have been implemented across airports under DHMI’s responsibility. In addition, ISO 14001 Environmental Management Systems have been established and effectively implemented at airports. DHMI also recognizes that strong cooperation and coordination with all stakeholders are essential for achieving sustainable airport operations and long-term environmental goals.





# Climate Change & Energy Management Efforts



- This roadmap meticulously details our eco-friendly practices such as; use of renewable energy resources, smart building systems, LED conversions, and adoption of electric vehicles, etc. Each step is a deliberate move towards net zero carbon by 2050.
- Solar power installations have been completed at several airports, and a 12 MWe capacity plant (equivalent to 10% of total electricity demand) is planned for the Air Traffic Control Center.
- Heating and cooling systems are being converted to lower-emission natural gas systems (LNG, LPG, CNG). Automation systems are being implemented to reduce energy consumption in lighting, heating, cooling, and ventilation systems. LED transformation of terminal, apron, and environmental lighting systems is ongoing.
- Initiatives have also been launched to achieve “TS EN ISO 50001 Energy Management System Certification” for all airports.



# Climate Change & Energy Management Efforts

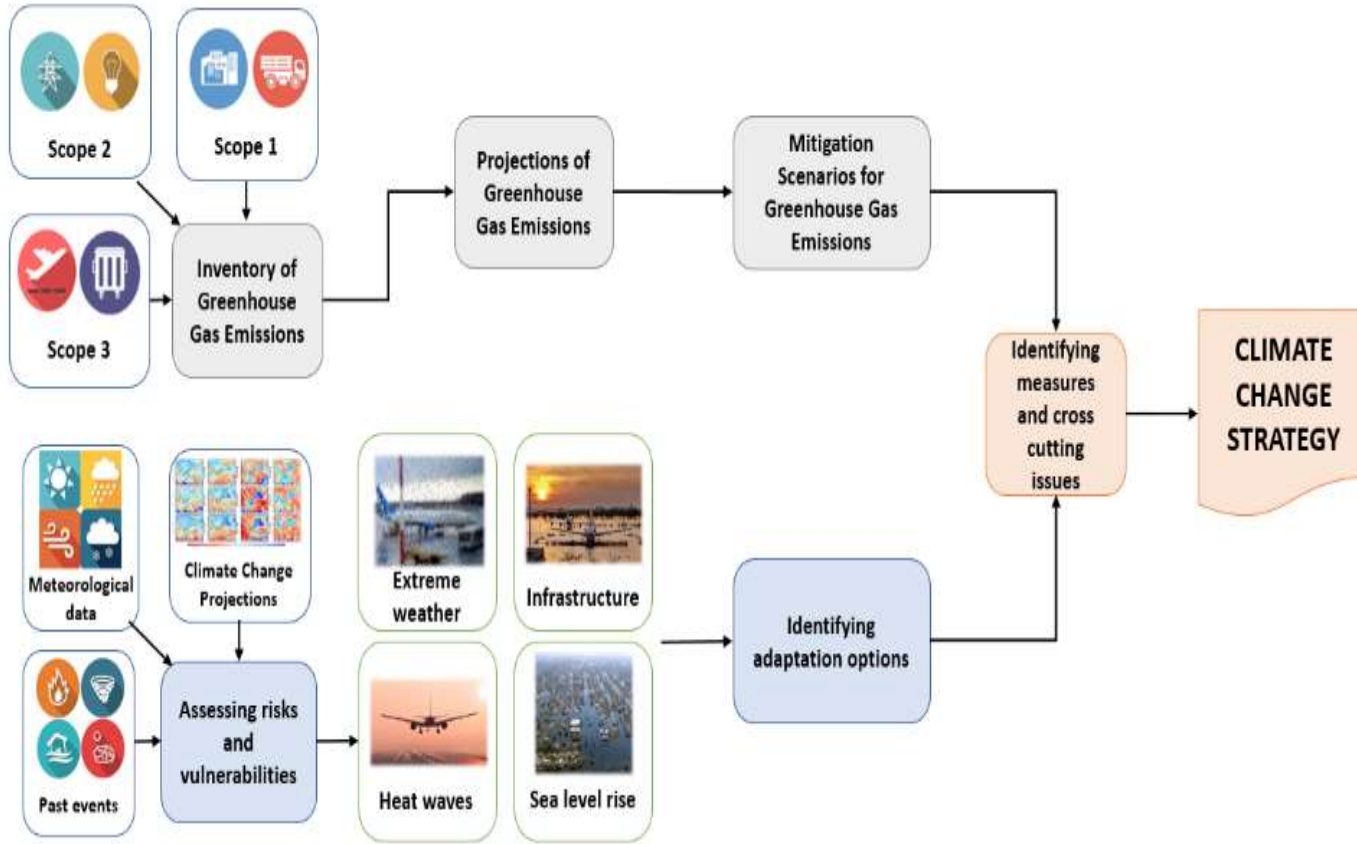


- We have supplied 145 TOGG's which are home production electric-vehicles in order to transform the vehicles operating at airports into electric vehicles and we plan to supply more in the future. The ground services and other vehicles at the airports are converted to electric vehicles.
- To encourage the use of electric vehicles, a 50% fee reduction has been introduced in 2025 tariffs for initial allocation and extension processes when electric vehicles are used instead of fossil-fueled ones.
- Moreover, in order to efficiently use the water resources of our country, which is among the countries in the high risk group in terms of climate change impacts, a water saving project has been developed and implemented at our airports to ensure that the water is collected in the RFF supply pool in order to recycle and reuse the water used during the daily checks of the RFF vehicles used at our airports.
- In addition to all of these, as DHMI we organize afforestation festival with our airports' personnel and to form sinks for carbon footprint in the medium and long term we will go on all these afforestation efforts.
- All our GHG-related commitments and progress updates are readily available on accessible platforms, showing our dedication to accountability and openness.





# Gaziantep, Erzurum, Ordu Giresun and Muğla Milas Bodrum Airports Climate Change Strategies Preparation Project



- We have carried out «Gaziantep, Erzurum, Ordu Giresun and Muğla Milas Bodrum Airports Climate Change Strategies Preparation Project with TÜBİTAK-MAM»(The Scientific And Technological Research Council of Türkiye). Project includes; preparation of inventories for greenhouse gas emissions, determination of emission-intensive areas within the scope of the activities carried out in airports, revealing the expected impacts of climate change in the region and determining the areas that will be most affected by climate change interms of airport activities. After identification of vulnerable areas, mitigation and adaptation measures has been chosen based on cost and benefits approach. In the light of the evaluations carried out, «Climate Change Strategy Documents» have been created specific to the four airports mentioned and projections have been obtained for carbon reduction in the future. To move towards net zero carbon we have intention to realize this project in the other airports too.



# Collaboration with Stakeholders



- DHMI, actively participates in workshops, meetings, and training sessions held within the framework of the “Türkiye’s Net Zero Emissions in Transport Roadmap Project” initiated by the Ministry of Transport and Infrastructure on September 11, 2024 and also in the “ Sustainable Aviation Fuel (SAF) Platform“ which was established under the leadership of Turkish Airlines, Istanbul Technical University (ITU), and Boeing with the aim of developing Türkiye’s Sustainable Aviation Fuels (SAF) Roadmap, and which was subsequently expanded to include all stakeholders within the aviation sector.
- In addition, our Administration has participated in activities organized within the scope of the “Strengthening Climate Change Adaptation Action Project” implemented by the Ministry of Environment, Urbanization and Climate Change in cooperation with the United Nations Development Programme (UNDP), and financed jointly by the Republic of Türkiye and the European Union.
- Through participation in these activities, our Administration has represented the aviation sector, while also providing the coordination, guidance, and sector-specific inputs requested within the framework of the relevant studies and projects.





# Progress by years in ACA Programme



## 2021:

12 airports certified at Level 1 (pilot implementation).

## 2022:

These 12 airports upgraded to Level 2  
31 additional airports included at Level 1

## 2023:

Same 43 airports certified  
Erzurum Airport upgraded to Level 3  
Gaziantep, Kars Harakani, and Mardin Airports at Level 1  
Remaining 39 airports at Level 2





# Progress by years in ACA Programme



## 2024:

Erzurum maintained at Level 3

42 airports certified at Level 2

On November 21, 2024, ACI Europe Director General Olivier Jankovec visited our country and presented the certificate for “Airport Operator with the Highest Number of ACA Certificates” to both our General Manager and our Minister.

## 2025:

Total airports increased to 45 with the inclusion of Rize-Artvin and Istanbul Atatürk Airports at Level 1

6 airports at Level 3 (Erzurum, Sinop, Sivas Nuri Demirağ, Çanakkale, Balıkesir Kocaseyit, Konya)

37 airports at Level 2

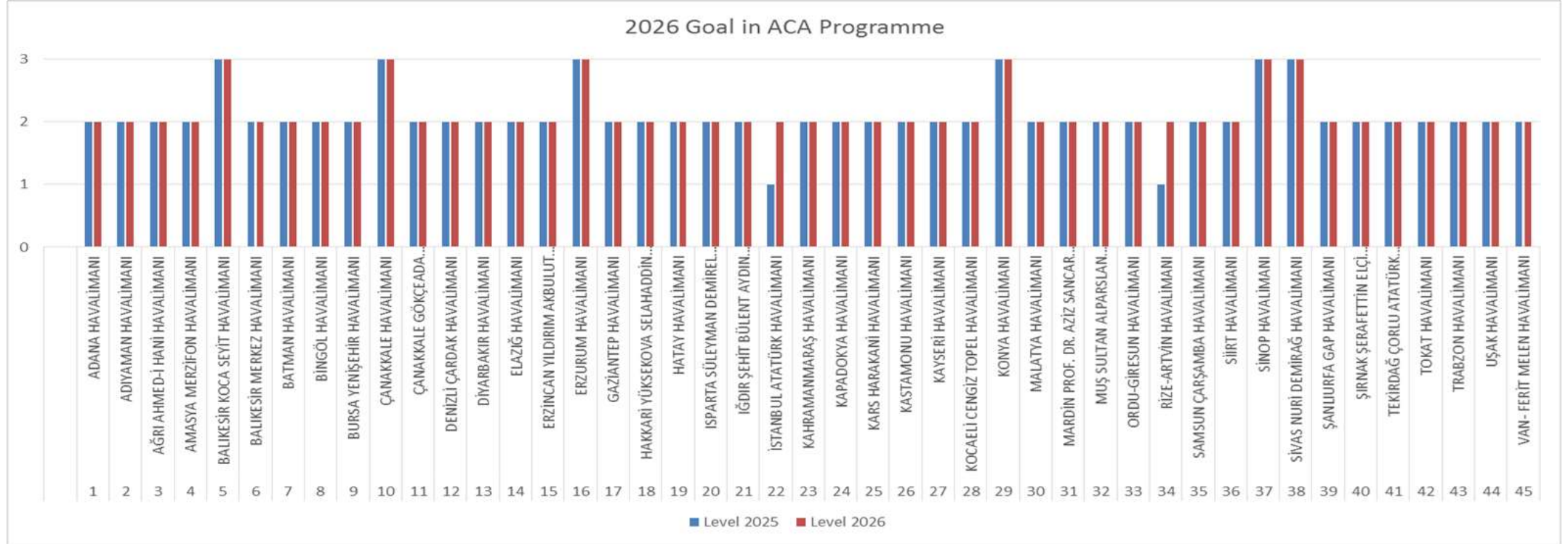




# Airport Carbon Accreditation (ACA) Programme



- In 2026, it is aimed to upgrade 2 airports at Level 1 to Level 2 and to keep the levels of the other 43 airports at their previous levels.





# The airport operator with the highest number of airports in Europe



## CERTIFICATE of ACCREDITATION

This is to certify that *Airport Carbon Accreditation*, administered by Environmental Minds, approves the carbon management processes implemented at

### General Directorate of State Airports Authority (DHMI)

This certificate reflects DHMI's commitment to sustainable airport operations and, with 45 airports accredited to date, distinguishes DHMI as the airport operator with the highest number of airports in Europe certified under *Airport Carbon Accreditation*.



Ankara, 7 April 2026



  
Olivier Jankovec  
Director General  
ACI EUROPE

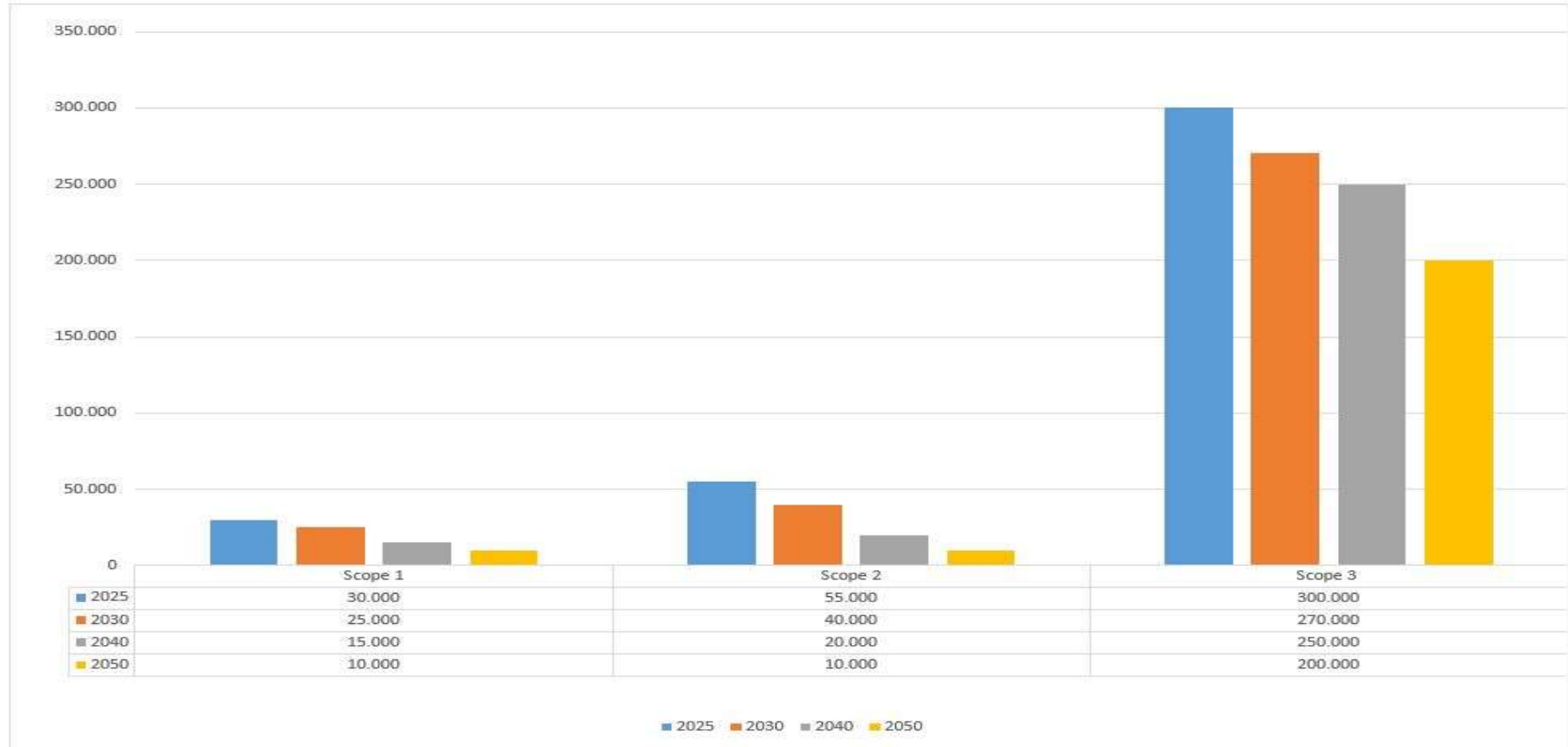
  
Panagiotis Karamanos  
Programme Director  
Environmental Minds

With the 45 certifications, our organization is the airport operator with the highest number of ACA-certified airports in Europe. Türkiye will rank as the second globally with a total of 52 certified airports, following the United States.



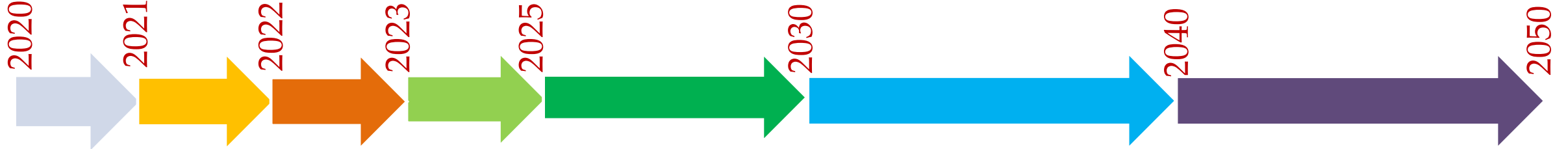
# DHMI Goals for Total Emission Values

Carbon Emissions (TCO2E)





# DHMI DECARBONIZATION ROADMAP BY 2050



## Carbon-Free Airport Project

- 1-Gaziantep (L-1)
- 2-Erzurum (L-1)
- 3-Çanakkale (L-1)
- 4-Balıkesir Kocaseyit (L-1)
- 5-Bursa Yenişehir (L-1)
- 6-Sinop (L-1)
- 7-Sivas Nuri Demirağ (L-1)
- 8-Erzincan Yıldırım Akbulut (L-1)
- 9-Kahramanmaraş (L-1)
- 10-Adıyaman (L-1)
- 11-Şırnak Şerafettin Elçi (L-1)
- 12-Kapadokya (L-1)

## Airport Carbon Accreditation (ACA) Programme

- 1-Gaziantep (L-2)
- 2-Erzurum (L-2)
- 3-Çanakkale (L-2)
- 4-Balıkesir Kocaseyit (L-2)
- 5-Bursa Yenişehir (L-2)
- 6-Sinop (L-2)
- 7-Sivas Nuri Demirağ (L-2)
- 8-Erzincan Yıldırım Akbulut (L-2)
- 9-Kahramanmaraş (L-2)
- 10-Adıyaman (L-2)
- 11-Şırnak Şerafettin Elçi (L-2)
- 12-Kapadokya (L-2)
- 13-Adana (L-1)
- 14-Trabzon (L-1)
- 15-Ağrı Ahmed-i Hani (L-1)
- 16-Amasya Merzifon (L-1)
- 17-Balıkesir Merkez (L-1)
- 18-Batman (L-1)
- 19-Bingöl (L-1)
- 20-Çanakkale Gökçeada (L-1)
- 21-Denizli Çardak (L-1)
- 22-Diyarbakır (L-1)
- 23-Elazığ (L-1)
- 24-Hakkari Yüksekova Selahaddin Eyyubi (L-1)
- 25-Hatay (L-1)
- 26-Iğdır Şehit Bülent Aydın (L-1)
- 27-Isparta Süleyman Demirel (L-1)
- 28-Kars Harakani (L-1)
- 29-Kastamonu (L-1)
- 30-Kayseri (L-1)
- 31-Kocaeli Cengiz Topel (L-1)
- 32-Konya (L-1)
- 33-Malatya (L-1)
- 34-Mardin Prof.Dr.Aziz Sancar (L-1)
- 35-Muş Sultan Alparslan (L-1)
- 36-Ordu-Giresun (L-1)
- 37-Samsun Çarşamba (L-1)
- 38-Siirt (L-1)
- 39-Şanlıurfa GAP (L-1)
- 40-Tekirdağ Çorlu Atatürk (L-1)
- 41-Tokat (L-1)
- 42-Uşak (L-1)
- 43-Van Ferit Melen (L-1)

- 1-Gaziantep (L-2)
- 2-Erzurum (L-3)
- 3-Çanakkale (L-3)
- 4-Balıkesir Kocaseyit (L-3)
- 5-Bursa Yenişehir (L-2)
- 6-Sinop (L-3)
- 7-Sivas Nuri Demirağ (L-3)
- 8-Erzincan Yıldırım Akbulut (L-2)
- 9-Kahramanmaraş (L-2)
- 10-Adıyaman (L-2)
- 11-Şırnak Şerafettin Elçi (L-2)
- 12-Kapadokya (L-2)
- 13-Adana (L-2)
- 14-Trabzon (L-2)
- 15-Ağrı Ahmed-i Hani (L-2)
- 16-Amasya Merzifon (L-2)
- 17-Balıkesir Merkez (L-2)
- 18-Batman (L-2)
- 19-Bingöl (L-2)
- 20-Çanakkale Gökçeada (L-2)
- 21-Denizli Çardak (L-2)
- 22-Diyarbakır (L-2)
- 23-Elazığ (L-2)
- 24-Hakkari Yüksekova Selahaddin Eyyubi (L-2)
- 25-Hatay (L-2)
- 26-Iğdır Şehit Bülent Aydın (L-2)
- 27-Isparta Süleyman Demirel (L-2)
- 28-Kars Harakani (L-2)
- 29-Kastamonu (L-2)
- 30-Kayseri (L-2)
- 31-Kocaeli Cengiz Topel (L-2)
- 32-Konya (L-3)
- 33-Malatya (L-2)
- 34-Mardin Prof.Dr.Aziz Sancar (L-2)
- 35-Muş Sultan Alparslan (L-2)
- 36-Ordu-Giresun (L-2)
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- 38-Siirt (L-2)
- 39-Şanlıurfa GAP (L-2)
- 40-Tekirdağ Çorlu Atatürk (L-2)
- 41-Tokat (L-2)
- 42-Uşak (L-2)
- 43-Van Ferit Melen (L-2)
- 44-Rize Artvin (L-1)
- 45-İstanbul Atatürk (L-1)

### ■ Btw 2025-2030

- All of 45 airport's levels are planned to upgrade different levels,

### ■ Btw 2030-2040

All of 45 airport's levels are planned to upgrade to Level 4 and

### ■ Btw 2040-2050

All of 45 airports' levels are planned to upgrade to Level 5 and NETZERO.



# DHMI NETZERO 2050

