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REGIONAL GREEN AIRPORTS SEMINAR

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Uzbekistan



DHMI

General Directorate of State Airports Authority



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Republic of Türkiye Ministry of Transport and Infrastructure

DHMI

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01
DHMI and
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Network
Who we are





Who we are

We are a governmental organization under the Ministry of Transport and Infrastructure, holding two distinct roles.

1- Air Navigation Services Provider

DHMI is the sole entity responsible for providing air navigation services throughout Türkiye's airspace— area control, approach, tower, CNS infrastructure and the radar network.

2- Airport Operator

DHMI operates the state airport network directly or through the Public–Private Partnership (PPP) model.



Who we are

Environment and Sustainability

At our airports, the implementation of environmental management systems is ensured within the framework of national and international regulations and projects concerning waste, wastewater, noise, and carbon management.

Additionally, we work on some projects at national and international level and have obligations under these projects.

Some projects we work on;

At international level, Airport Carbon Accreditation Programme. It is conducted by Airports Council International.



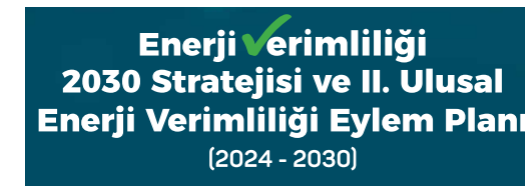
At national level, Zero Waste Certification Programme. It is conducted by Ministry of Environment.



At national level, Water Efficiency Campaign. It is conducted by Ministry of Agriculture and Forestry.



At national level, Energy Efficiency Action Plan. It is conducted by Ministry of Energy.



02

From Green Airport to ACA, 2010 → 2026

The national
programme first,
then 45 accredited
airports





Green Airport Project

Carbon work started in 2010

The Green Airport Project, launched by the Directorate General of Civil Aviation, put environmental management and greenhouse gas reporting into Turkish airports nine years before participating ACA programme. Each corporate involved in the Project prepares its annual greenhouse gas inventory in accordance with ISO 14064-1 and has it verified in accordance with ISO 14064-3, and is certified through TSE (Turkish Standards Institution).

Why we chose Airport Carbon Accreditation Programme

Benefiting from its guidance on carbon emission management because this accreditation programme is only for airports,



Guidance that work

Being an independent certification program that enhances global reputation and brand value on an international scale,



Independent and global

Playing a pioneering role in the fields of environment and sustainability,



A pioneering role

Establishing a trustworthy image among passengers and aviation stakeholders.

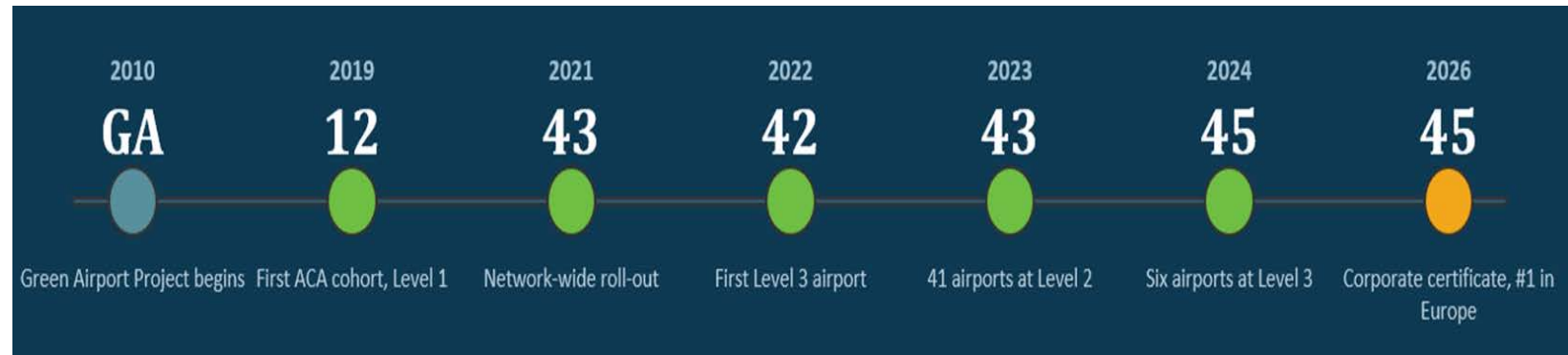


Trust with stakeholders

03 Level Progression

Entry levels,
upgrades and the
current level map

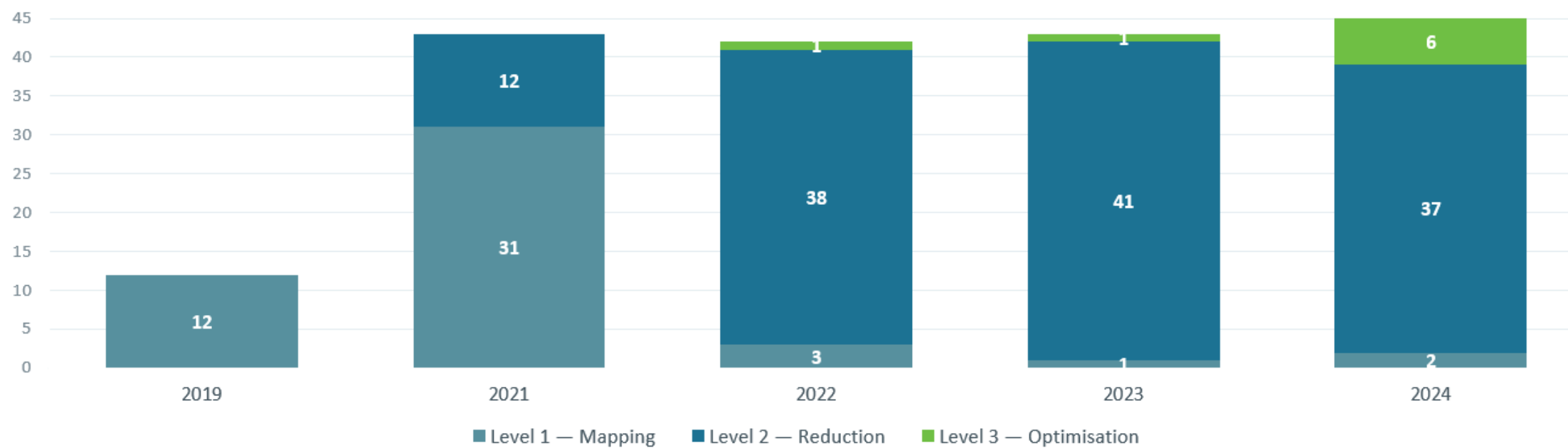
Progress in a single line



- **Green Airport Project participation from 2010, then airports holding a valid ACA certificate at the end of each reporting year.**

Level Progression

Shape of the programme, year by year



Status at the Project

Within the scope of the project, a total of 45 of our airports have currently been certified under the Airport Carbon Accreditation (ACA) program conducted by ACI (Airports Council International) at an international level. DHMI holds the largest single-operator ACA portfolio in Europe and the second largest in the world. The significance is not the count but the consistency: one inventory methodology, one verification cycle and one target framework applied simultaneously across 45 sites, from a regional field to a major international gateway.



*In Türkiye total of 52 of airports have been certified.

04 Carbon Reduction Implementation

Renewables, fuel
switching,
electrification,
efficiency



The implementation portfolio at a glance

01

Renewable generation

Solar PV at airports and ANS facilities

02

Heating fuel switch

fuel oil out, natural gas and LPG in

03

Fleet electrification

Follow-me, baggage and ground support vehicles

04

LED conversion

Indoor and airfield lighting

05

Building automation

Lighting, HVAC and ventilation under central control

06

Tariff incentive

50% charge for electric ground service vehicles



Carbon Reduction Implementation

Renewable generation on our own land

Projects are being implemented to meet the electrical energy requirements of airports and air navigation facilities (radar, ANS stations, control towers etc.) from renewable energy sources.







Carbon Reduction Implementation

Heating fuel switch

Efforts are underway to convert heating and cooling systems to natural gas-based systems (LNG, LPG, CNG) that result in lower emissions.





Carbon Reduction Implementation

Fleet electrification

Fossil-fuelled follow-me vehicles are being replaced with electric models.

Electric apron vehicles have already entered service at many airports and so far, **145 TOGG** vehicles have been procured, with plans to acquire more in the future.





Carbon Reduction Implementation

Fleet electrification

Furthermore, electric baggage transport vehicles are utilized in the baggage handling areas of all our airports.

Efforts are also underway to transition various ground support vehicles used in airside operations at the country's airports to electric models.



Carbon Reduction Implementation

LED conversion

At airports, existing indoor and outdoor lighting systems are being converted to LEDs to achieve lower energy consumption.

Building automation

Lighting, heating, cooling and ventilation are moving to automated operation, so terminal systems follow the flight schedule instead of running continuously





Rewarding

Tariff incentive

50% of the standard fee is charged when electric vehicles are used in ground services — a clause added to the **2026 Fee Tariffs**



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Thank You



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