













# Almila Dilara Çelik

E&S Compliance Manager, TAV Airports Holding





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- 3 Energy Management & Decarbonization Practices
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1 Introduction







### Introduction

- Alignment with global aviation sustainability frameworks like ICAO guidelines and ACI Airport Carbon Accreditation (ACA).
- Commitment to **Net Zero emissions by 2050**, with significant progress by 2030.
- Achieving Carbon Neutrality by 2030, following the rigorous standards of the ACI ACA Program.
- Focus on actionable energy management solutions and carbon reduction strategies for the aviation sector.





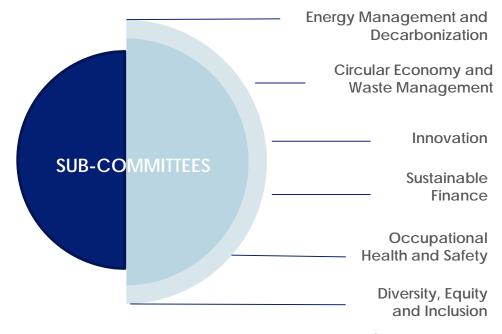




## Sustainability Management System Governance

**The Corporate Sustainability Committee,** supported by the **Executive Committee**, leads TAV Airports' sustainability efforts.









# **Energy & Climate Change Policy**

- Commitment to reducing greenhouse gas emissions across the value chain.
- Enhancing **energy efficiency** while maintaining service quality.
- Compliance with national and international environmental standards (IFC, EBRD, Equator Principles).
- Integration of **climate change risks and opportunities** into business strategy.
- Development of emission inventories and long-term Net Zero targets.
- **Transparent communication** with stakeholders on climate goals and performance.
- Collaboration with stakeholders on climate change prevention and adaptation.
- Implementation of ISO 50001 Energy Management System at all airports.







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Energy
Management &
Decarbonization
Practices





### **Energy Management & Decarbonization Practices**

- Significant investments in **solar energy, waste management, and energy-efficient systems** at multiple airports.
- Solar panel farms to be implemented at Esenboğa, Adnan Menderes, and Milas-Bodrum airports by 2025, with an annual reduction of 7,350 tons of CO2e.
- Focus on renewable energy purchases and automation systems to enhance energy efficiency as part of TAV's broader sustainability strategy.
- Implementation of ISO 50001 for energy management and ISO 14064 for greenhouse gas emissions accounting.
- Currently planning an energy tracking project with a start-up for Esenboğa Airport.

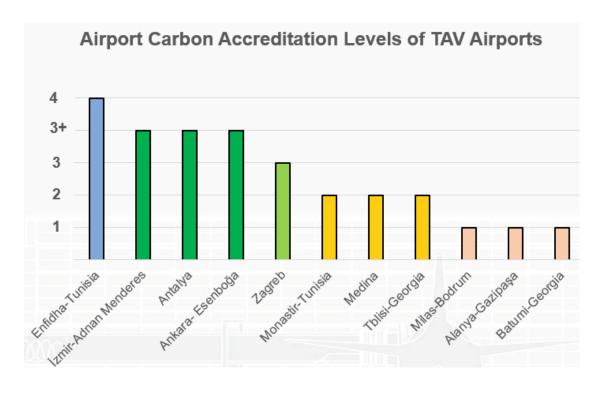








### TAV Airports Holding: Leading by Example



**Level 4** - Transformation

Level 3+ - Carbon Neutralized

**Level 3** - Optimization

**Level 2** - Reduction

Level 1 - Mapping

- By 2025, Esenboğa, Adnan Menderes, Antalya, and Enfidha airports will achieve Level 4+ accreditation.
- Several other airports, including Monastir, Almaty,
   Skopje, Ohrid, Tbilisi, Batumi, Milas Bodrum, and
   Gazipaşa are aiming for Level 3+ accreditation.
- By 2030, most of these airports will move to Level 4 accreditation, including Almaty, Tbilisi, and Milas Bodrum.
- The ultimate goal is for all these airports to achieve Level 5 accreditation by 2050, with Esenboğa, Adnan Menderes, Antalya, and Enfidha leading the way.
- This accreditation pathway supports the commitment to achieving net-zero emissions by 2050.

Solar Power Project (SPP)



# Solar Power Project (SPP)













- Solar panel farms are being established at **Esenboğa**, **Adnan Menderes**, and **Milas-Bodrum** airports by 2025.
- With Solar Panel investments, it is expected that 27.3
   MWh of annual electricity consumption will be shifted to green resources.
- The total investment cost of the project is **USD 20,000,000**.







ICAO 觉

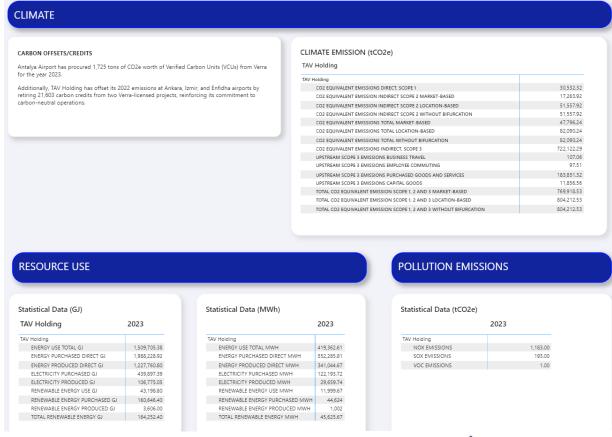
Data
Collection





### **Data Collection**

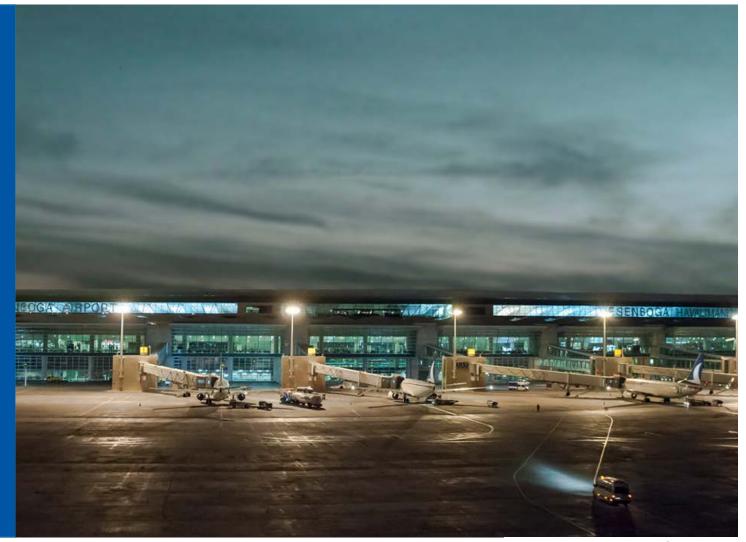
- TAV collects ESG data from its service companies and airports, consolidating the data for reporting purposes.
- The online platform is used for data management, providing a live, selfupdating dashboard.
- Investors and stakeholders can track ESG data in real-time through this platform, enhancing transparency and engagement.







Reporting





### Reporting

- TAV discloses its ESG data to CDP and Refinitiv (LSEG).
- Preparations are underway for reporting under Turkey's Sustainability Reporting Standards.
- As a subsidiary of Groupe ADP, TAV also reports data for the **Corporate Sustainability Reporting Directive (CSRD)** to Groupe ADP, ensuring alignment with global sustainability frameworks.
- TAV Airports is preparing to commit to the **Science-Based Targets Initiative (SBTi)** by 2024.
- Successfully prepared and submitted our **Communication on Progress report to the UN Global Compact.**















# Reporting



#### **ESG PERFORMANCE**

#### TAV AIRPORT ESG SCORE

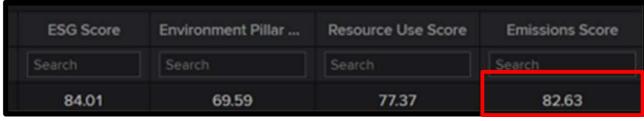
(2021-2023)



#### ESG SCORE TOP 10 COMPANIES



- TAV Airports has achieved the highest ESG performance in the airport category on LSEG, formerly known as Refinitiv.
- Particularly notable is our high score in the "Emissions" section, where we received a remarkable 83 points.











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Innovations and Technologies





## Innovations & Technologies

- TAV Airports is adopting **Al-supported building management systems** for energy optimization, aiming for energy-efficient and sustainable operations.
- Targeting **Zero Waste certification** by 2025 with initiatives focused on recyclable materials and reducing single-use items.
- Collaborating with a startup on a water management project at Bodrum Airport to digitize and optimize water and wastewater systems, enhancing efficiency and reducing costs.
- Partnering with another startup at Bodrum Airport to improve waste management processes using digital tools, boosting operational efficiency and environmental performance.





## Innovations & Technologies

### WHY CHOOSE «SUSTAINABILITY» AS THE FIRST CANVAS OF INNOVATION?

#### GLOBAL CONTRIBUTION AS TAV AIRPORTS

 Contributing Global Goals: Responsibly aligning operations with universal principles while embedding environmental stewardship deep within our corporate DNA.

#### STRUCTURAL ENABLERS

- Framework & Staff: An established sustainability framework with dedicated personnel could facilitate innovation.
- Role Integration: Roles are blended, with innovation reps engaged in sustainability, creating synergies.

#### PERFORMANCE

- . ESG Support: Innovation as support function in our ESG-compliant structure.
- BIST "Environmental Innovation Index" Progress: Potential improvement in BIST 'innovation' category, reflecting positive innovation performance.
- Financial Imperative: Rising costs makes it necessary exploring sustainable options to ensure financial stability.

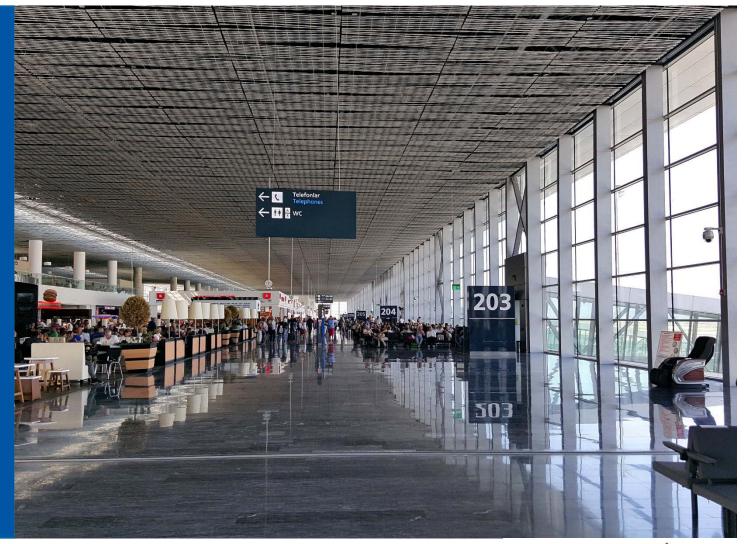








8 Conclusion





# Thank You

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Western and Central African (WACAF) Office Dakar

> Asia and Pacific (APAC) Office Bangkok

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Beijing

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