

Airport Name: Aeropuerto Internacional de Cancún

Airport Group: ASUR – Aeropuertos del Sureste

Responsible: Claudia Rodriguez, Strategic Planning and CSR

Project Name: Digital Renewable Energy Management System

Executive Summary

The aviation sector faces an urgent need to accelerate decarbonization and enhance energy resilience amid escalating climate challenges. Airports, as high-energy-consumption hubs, must transition from traditional, carbon-intensive power grids to localized, renewable energy sources to meet global climate targets.

However, simply deploying renewable infrastructure at a large scale is no longer sufficient. Managing an energy transition across a diverse network requires high-efficiency control, data transparency, and smart technology to ensure optimal performance and seamless grid integration. To address these challenges, at ASUR, we are implementing the Digital Renewable Energy Management System across its network of airports, combining rooftop solar infrastructure with advanced digital monitoring.

This project consists of installing rooftop solar photovoltaic (PV) generation systems across the Group's airport network to maximize clean energy self-consumption. To date, rooftop solar systems have been successfully deployed at 5 Mexican airports, with plans to integrate 2 additional airports within this calendar year.

Central to this initiative is a high-tech digital platform that monitors energy generation in real time. This software tracks active production, environmental conditions, and system health across all operational locations simultaneously. By centralizing generation data, the system ensures maximum efficiency across the entire network, as well as guarantees data reliability. This represents a cornerstone initiative by the Group to accelerate decarbonization, enhance energy resilience, and drive operational efficiency across our network.

Since its initial implementation in 2022, the project has delivered measurable, high-impact results toward the Group's environmental objectives:

- **Clean Energy Generation:** Contributed to the generation of 12,600 MWh of clean, renewable energy, reducing reliance on traditional, carbon-intensive power grids.
- **Carbon Mitigation:** Successfully avoided the emission of 6,428 tCO₂e, advancing the Group's decarbonization and net-zero pathways.

Beyond operational monitoring, the real-time digital platform serves as a critical strategic asset for Top Management. By providing centralized, high-fidelity data and transparent analytics, the

platform empowers leadership to:

- Formulate Climate Strategy: Drive long-term sustainability planning, target setting, and compliance reporting with verifiable data.
- Optimize Operational Efficiency based on data: Enable swift executive decision-making regarding grid interaction, and capital investment allocation for upcoming expansion phases.

By unifying network-wide clean energy with a digital intelligence framework, the project is helping to gradually transition the Group's airports into low-carbon mobility hubs prepared for a climate-resilient future.

Results and Benefits of the Project

Project Results and Impact: Measurable Success & Strategic Outcomes

Since its deployment in 2022, the Digital Renewable Energy Management System has transitioned from an infrastructural asset into a high-performing catalyst for achieving climate goals. The quantifiable results and strategic outcomes of our project are detailed below:

1. Environmental & Decarbonization Metrics (Since 2022)

- Optimized Rooftop Generation: The rooftop solar infrastructure across the network has successfully generated a cumulative total of 12,600 MWh of clean energy. This milestone demonstrates the high efficiency of utilizing existing airport building footprints for localized power generation.
- Targeted Emissions Mitigation: By shifting to on-site solar power for specific facility loads, the project has directly avoided the emission of 6,428 tCO₂e, marking a verifiable step forward in the Group's localized decarbonization pathways.

2. Scalability and Network Expansion

- Proven Proof of Concept: Solar generation systems are currently fully operational at 5 airports. This phase has served as a successful operational blueprint, testing both the technology and the organizational readiness for renewable integration.
- Accelerated Growth: Capitalizing on the success of the initial phase, 2 additional airports are scheduled for installation within this calendar year, expanding the project's cumulative capacity and demonstrating a clear, scalable roadmap.

3. Strategic Governance & Data-Driven Leadership

Another impact of the project lies in its role as a digital enabler, shifting airport management from a reactive to a predictive model and delivering critical outcomes for our Top Management:

- Strategic Executive Insights: The platform provides senior leadership with centralized, real-time data transparency. Even as a developing energy source, it gives the executive board the

exact metrics needed to plan larger future storage solutions and off-site renewable contracts.

- Operational Efficiency & Diagnostics: Real-time analytics have optimized maintenance workflows, allowed for immediate fault detection, and ensured that every square meter of the installed solar arrays operates at maximum possible yield.
- Foundation for AI Innovation: By centralizing historical generation data since 2022, the platform has built the essential data foundation required to implement predictive AI models for weather-dependent generation and smart grid interaction in the next phase.

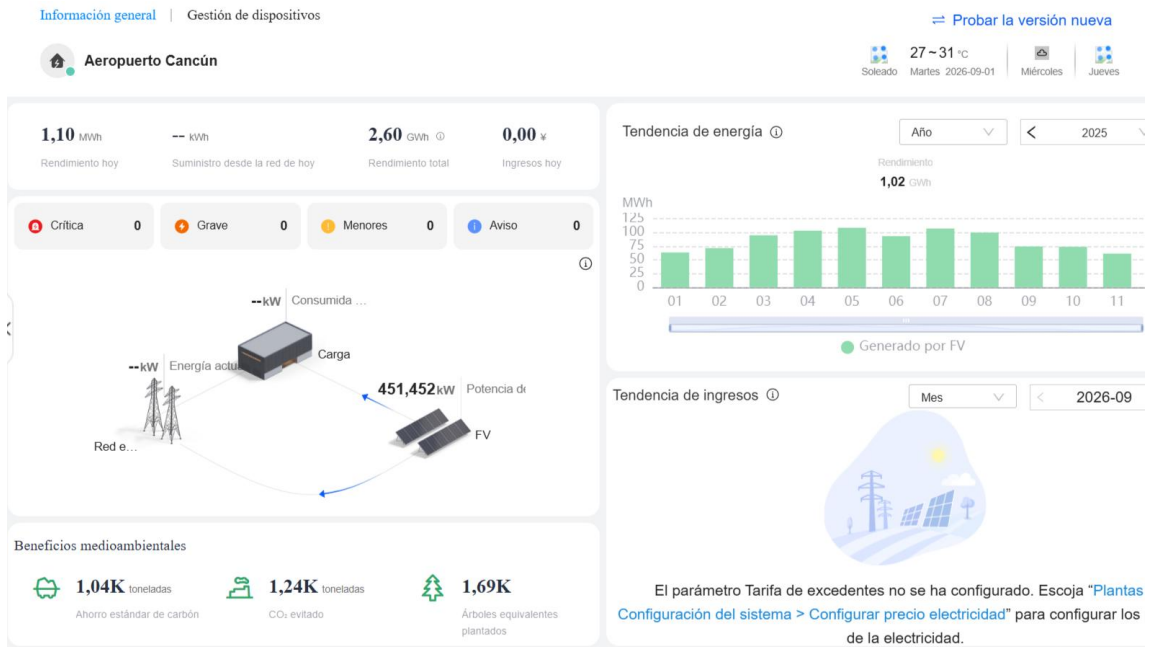


Image 1. Digital monitoring platform (Cancún Airport)



Image 2. Solar panels at Tapachula Airport