



Airport Name: Aeroporto Deputado Freitas Nobre – Congonhas

Airport Group: Aena Brasil – BOAB Bloco de Onze Aeroportos do Brasil

Responsible: Kleber Almada Meira, Airport's Director

Project Name: Optimisation of Waste Segregation at Congonhas Airport

Executive Summary

Congonhas Airport is the second busiest airport in Brazil and the most strategically important, given its essential role in national air connectivity. Its strategic location and operational efficiency drive business, tourism, and the country's economy. Additionally, Congonhas stands out for its operational complexity, operating in a constrained area compared to the high demand of 22 million annual passengers, and is situated in a densely populated region, necessitating efficient solutions to ensure safety and operational fluidity.

Waste management at the airport is a daily challenge, with an approximate generation of 5.5 tons per day. Prior to the implementation of the project, only 0.5 tons were directed to recycling cooperatives, while the remainder was sent to landfills, resulting in negative socio-environmental impacts.

The restructuring project includes the modernization of the waste management center, new collection flows, the acquisition of equipment, the hiring of specialized labor, and the training of commercial lessees and staff. Furthermore, it anticipates the revision of contractual clauses and periodic audits to ensure a more efficient and accurate segregation of waste, promoting sustainable management aligned with best environmental practices.

With the implementation of the new waste management measures, a reduction of 20% to 30% in the volume of common waste sent to landfills is anticipated, along with an increase of three to four times in the quantity of recycled materials.

Congonhas Airport, which generates approximately 5.5 tons of waste per day, will redirect between 400 to 600 tons annually for recycling, no longer sending them to landfills. This not only promotes more sustainable practices but also enables socio-environmental actions through partnerships with NGOs and other entities..

Results and Benefits

List of Benefits:

- **Increase in Recycling:** Greater volume of recyclable waste recovery, contributing to a more sustainable environment.
- **Reduction in Landfill Disposal:** Significant decrease in the amount of waste sent to

landfills, extending their lifespan and reducing greenhouse gas emissions.

- **Reliability in Segregation:** Assurance of more efficient separation between organic and recyclable waste, minimizing garbage accumulation and the proliferation of disease vectors.
- **Social Actions:** The project enabled segregation by type of recyclable waste (paper, plastic, metal, and glass), increasing their added value and facilitating the strengthening of social actions and new partnerships with NGOs and other socio-environmental entities.
- **Environmental Awareness:** Promotion of environmental awareness among lessees, service providers, and collaborators within the airport community, encouraging more sustainable practices.
- **Strategic Alignment:** Compliance with Aena Global's Sustainability Strategy, reinforcing the commitment to environmental initiatives.
- **Better Use of Infrastructure:** Optimization of airport spaces and systems dedicated to waste management, enhancing operational efficiency.

It is estimated a reduction of 20% to 30% in the volume of common waste sent to landfills, and an increase of three to four times in the amount of recycled materials.

Congonhas Airport generated approximately 5.5 tons of waste per day. With the implementation of these actions, it is estimated that between 400 and 600 tons of waste will no longer be sent to landfills annually, being redirected for recycling and enabling socio-environmental actions.

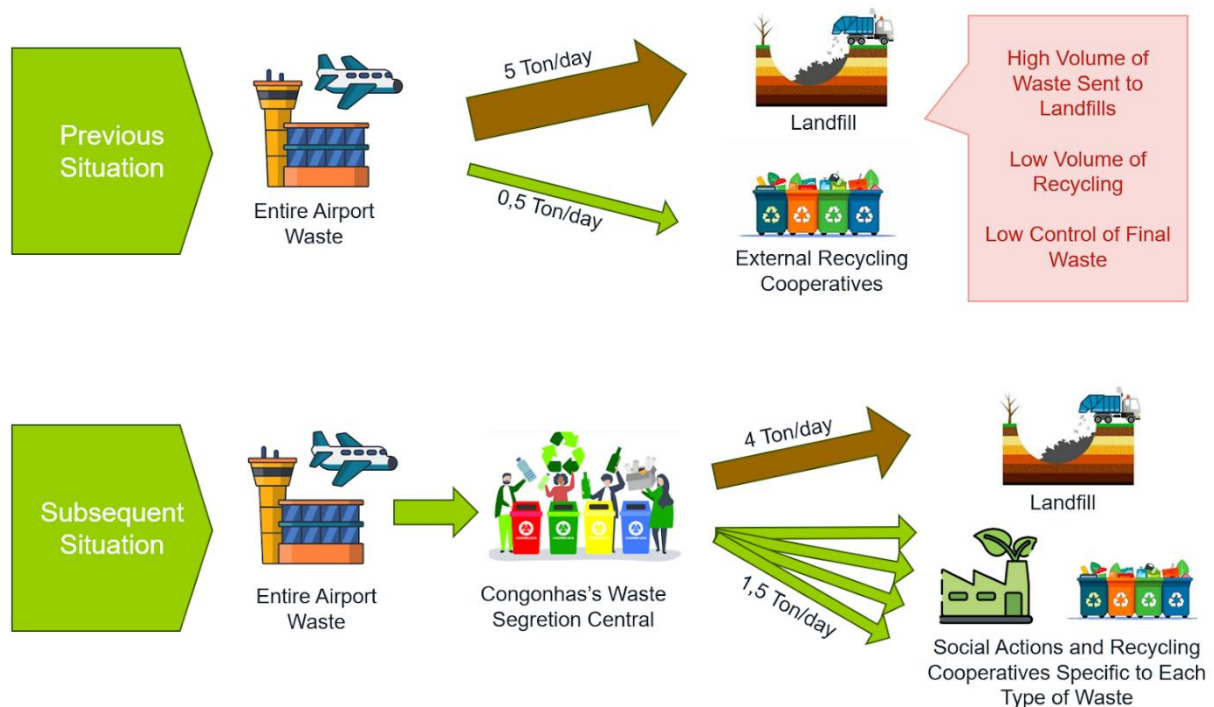


Figure 1: Waste Procedure Before and After the Project