

CASE OF EXCELLENCE: VIBRA



Innovation in Sustainable Logistics: Electric Trucks in Vibra's Fuel and Aviation Distribution.

1. PROJECT SCOPE

Vibra Energia, in partnership with Pioneiro Combustíveis, BR Aviation and Volkswagen Caminhões e Ônibus, has implemented the use of an electric truck to refuel aircraft at Eduardo Gomes International Airport (Manaus - MAO) and to transport fuel between the Manaus base (BAMAN) and Petrobras service stations.

The project is part of the outbound physical distribution operations and seeks to accelerate the transition to cleaner energy sources.

3. OBJECTIVE

Accelerate the decarbonization of the aviation segment and promote sustainable development in the region.

4. KEY INDICATOR

The amount of CO2 avoided by operating electric trucks and the reduction in fossil fuel consumption.

6. RESULTS

The project resulted in a significant reduction in CO2 emissions, with the electric aircraft refueling truck contributing to the reduction of 11.7 tons of CO2 per year. In addition, Vibra has recorded a 22% saving in diesel consumption thanks to the integration of electric trucks into its fuel transportation operations.

2. BEST PRACTICE

Use of electric trucks, such as the Volkswagen e-Delivery model.

5. ACHIEVEMENTS

Implementation of an electric truck at Manaus International Airport for aircraft refueling and fuel distribution. A recharging point was installed to charge 80% of the battery in three hours. Technologies such as telemetry, monitoring cameras and GPS trackers were used to optimize and monitor operations.