Efficiency and Sustainability Applied to Logistics: Electromobility in freight transport

CASE OF EXCELLENCE: SUZANO

Green Energy in Logistics: The Sustainable Energy and Technology Transition at Suzano S.A.

1. PROJECT SCOPE

Suzano S.A.'s operation involves the Paper and Packaging Business Unit (UNPE), which is responsible for producing 1.25 million tons of paper per year and for the logistics of receiving and distributing raw materials, as well as handling and transporting up to 167,000 tons of paper per month.

The project covers 22 distribution centers throughout Brazil, with the aim of using 100% renewable energy in its distribution centers (DCs).

2. BEST PRACTICE

Green Energy in the Distribution Centers to transition all DCs to the exclusive use of energy from renewable sources.

3. OBJECTIVE

Ensure that 100% of the energy consumed at Suzano's distribution centers comes from renewable sources.

4. KEY INDICATOR

The amount of CO2 avoided through the use of renewable energy and the energy efficiency provided by solar panels.

5. ACHIEVEMENTS

Suzano contracted clean energy suppliers via the Free Market, installed solar panels at eight units and issued I-RECs to ensure that the energy consumed was 100% from renewable sources. The company also integrated electric vehicles into its operations, using clean energy to power these vehicles.

6. RESULTS

The project resulted in a significant reduction in CO2 emissions, which proves the success of the green energy strategy in the distribution centers. In addition, the use of solar panels in eight units and the use of I-RECs demonstrate Suzano's commitment to sustainability and the energy transition.