Efficiency and Sustainability Applied to Logistics: Electromobility in freight transport

CASE OF
EXCELLENCE:LOTS
GROUPSCANIA AND LOTSSCANIA

Sustainable Transition: Electrification and Use of CNG in Scania's Logistics Transport and LOTS.

1. PROJECT SCOPE

Scania, in partnership with LOTS, transports parts and packaging between the São Bernardo do Campo factory and the region's logistics center.

The fleet consists of 29 trucks, including diesel and CNG vehicles and an electric truck.

The project aims to implement the electrification of the fleet, optimizing operational efficiency and reducing emissions of polluting gases.

2. BEST PRACTICE

Use of a Scania P230 electric truck and also CNG-powered trucks to replace diesel vehicles.

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3. OBJECTIVE

Reduce GHG emissions by replacing fossil fuel trucks with electric and CNG vehicles.

4. KEY INDICATOR

Measurement of CO2 emissions and pollutants such as NOx, energy consumption (electricity and CNG) and recharging time of the electric truck.

6. RESULTS

The project resulted in a significant reduction in CO2 emissions, contributing to the decarbonization of the operation and improving energy efficiency. The use of electric and CNG trucks was successful in reducing the environmental impact, and the tests provided valuable data for future expansions of the electric fleet.

ACHIEVEMENTS

An electric truck was deployed on freight transfer routes between the factory and Scania's logistics center.

Operational tests were carried out to measure energy efficiency and emissions reduction, as well as training drivers, including women, to operate the new vehicle.





