

# Cableway Replaces Diesel Buses in Colombia



The cable cars conveniently connect the city center with the hilly areas of Medellín, where mostly people live which belong to the lowest income strata.

**Six cable car lines are currently operational or under construction in the city of Medellín, Colombia. The safe, environmentally friendly and convenient new public transport system reduces CO<sub>2</sub> and other greenhouse gases and improves the air quality of the city.**

The inhabitants of Medellín have been using since long old crowded buses, cars or taxis to get to their workplace. The new established cable car which is linked to the metro lines of Medellín substitutes to a certain extent these conventional modes of transport by a new innovative public transport system.

The cable car lines (three lines implemented by April 2015) are an integral part of the metro system of Medellín and provide for seamless transit. They conveniently connect the hilly areas of Medellín with the city center. The new public transportation system is not only faster, more reliable, and safer but also cheaper.. People living in the hilly areas of Medellín belong to the lowest income strata of the city and therefore a reduction of travel cost and travel time is highly appreciated.

Before project start public transit had experienced a continuous decline in the share of trips realized in the city. With the new system plus other measures taken in the city to favor and upgrade public transit the importance of public transit is increasing again in Medellín.

All six lines are operated by Empresa de Transporte Masivo del Valle de Aburrá Ltda. (ETMVA) the municipal Metro operator. The operation of cable cars as a mass transit mean is unique and innovative. Worldwide only very few cities operate comparable schemes and with much lower ridership than that experienced in Medellín.

CO<sub>2</sub> emission reduction calculations are based on comparing the emissions passengers would have caused using traditional versus the new transport

## Project type:

Energy Efficiency

## Project location:

Medellin, Colombia

## Project status:

Completed, credits available

## Annual CO<sub>2</sub> reduction:

17,290 t

## Situation without project

Use of old buses, cars or taxis.

## Project standard



United Nations  
Climate Change

CER

## Impressions



The inhabitants have been using since long old crowded buses, cars or taxis polluting the air.



The metro was not used much as the metro-net was incomplete.

mean. Emissions caused by electricity consumption of the cable car are thereby included as project emissions.

The project not only reduces CO<sub>2</sub> emissions but also contributes significantly to an improved air quality as well as having numerous social benefits for system users as well as for inhabitants of the zone where the cable car has been installed including a dramatic decline of the crime rate due to accompanying measures of ETMVA.

And have a look at more pictures on myclimate-Facebook!

This project contributes to 3 SDGs:



36,730,298 passengers transported by cable car lines and 6,209,125 litres of diesel saved.



In its first monitoring report, the project has saved 16,330 tonnes of CO<sub>2</sub>.



The project activity involves technology transfer. The cable car is a new, environmentally sound technology for Colombia.



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The inhabitants are being animated to use the metro and the cable cars.