



Coca-Cola FEMSA - Trigeneration Energy Project

Food & Beverage | Case Study

Trigeneration Energy System of Veolia, producing electricity, steam and chilled water from a single fuel source for Coca-Cola FEMSA's recycling and energy efficiency needs.

| The challenge

Coca-Cola FEMSA is the largest public bottler of the Coca-Cola brand worldwide in terms of sales volume and has a presence in 9 Latin American countries.

One of the main axes of its sustainability strategy, which aims to generate economic, social, and environmental value, is focused on "Our Planet," with a focus on Water, Energy, Waste and Recycling. Within the framework of the energy focus, specifically in Colombia, arises the need to develop a project to improve energy efficiencies and ensure the quality of energy at the Barranquilla plant.

| Veolia's solution

- Veolia has implemented a **tri-generation system** at the bottling plant in the city of Barranquilla, in the department of Atlántico, to **sustainably supply the plant with electricity, steam and chilled water**, so that it can operate without interruption, which has the added benefit of significantly reducing the site's carbon footprint.
- It encompasses all phases of the project - from design, engineering, investment, installation, commissioning, operation, maintenance, spare parts, to the sale of services generated by the plant (steam, chilled water, and electricity).



Barranquilla, Colombia



Solution: Design, engineering, installation and operation of a tri-generation system

Sustainable supply of electricity, steam & chilled water



| The benefits

Efficiency of production and lower operating costs.

Total guarantee of supplied energy, cold, and steam production systems:

- Cooling = 2,600,000 tons TR per year
- Electricity = 16,000,000 kWh per year
- Steam = 14,000 tons per year



<https://www.youtube.com/watch?v=kXGiQzc86So&t=91s>



“Veolia is a global reference in resource management and is recognized for its leadership in implementing these types of processes. We considered Veolia as a partner due to its project and the value relationship it provides, aligning with our primary objective of achieving plant self-sufficiency in Barranquilla.”

Silvia Barrero, Legal Manager at Coca-Cola FEMSA



VEOLIA'S PURPOSE: committing to a multifaceted performance



ENVIRONMENTAL

Reduction of environmental emissions: CO₂, NOX, SO₂
Electricity, steam and chilled water generation