



MAIN CONTRACTOR: REMOX RENEWABLE ENERGY CO

FINAL CLIENT: CITY OF CALI – SOLID WASTE TREATMENT RECOVERY PLANT

TIMELINE: 2025-2026

Prizma Consulting provided leadership and technical expertise supporting the Remox Renewables team with the pre-feasibility study for a Waste Treatment Recovery Plant. The Solid Waste Treatment and Recovery Plant in Santiago de Cali project has a nominal processing capacity of 500 Tons per Day (TPD) of Municipal Solid Waste (MSW). The primary objective of the project is to eliminate municipal solid waste with minimal environmental impact, in line with the Colombian Government's environmental goals. Carbon credits obtained by a certified significant reduction of CO2 emissions from the City of Cali landfill will be accounted for as part of the commercial incentive for this project.

Prizma Consulting provided technical research and commercial evaluation of the potential technologies suitable for power generation using syngas and biogas as feedstock. Plasma Gasification Technology generates syngas as a byproduct. The produced gas from the Bio-Methanizer and Thermo Plasma Reactor will be utilized as feedstock for power generation. The power will be used to supply the Solid Waste Treatment and Recovery Plant WTE equipment, and the excess power generated will be sold to the utility company by connecting to the electric grid.