



Plant for agricultural residual materials

Cali, Colombia

Project data

Start of construction: October 2016
Commissioning: February 2017
Input material: Dry chicken manure, process water from egg production

Technical data

Pre-storage: 1,076m³ (Ø 14.74m, h 6.30m)
Digester: 4,903m³ (Ø 31.48m, h 6.30m)
Storage tank: existing lagoon
CHP: 800kW_{el}
Miscellaneous: Sedimentation basin
LoMOS control system

Characteristics

The operator Incubadora Santander, who produces around 3.5 million eggs every day, relies on the co-digestion of dry chicken manure from laying hen husbandry and process water from the production process for substrate input.

The substrates are pretreated in a sedimentation basin. There the excrement of sand and lime is deposited. Then the substrates are pumped into the stainless steel pre-storage tank.

The operator uses the digestate as high-quality fertilizer on his own land.



The operator of the biogas plant is one of the largest egg producers in Colombia.



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