

BIOETHANOL & ENERGY PRODUCTION PLANT Meta Department, Colombia – BIOENERGY



Main Facts

- Plant capacities
 - Cane milling: 2.1 MMTn/year
 - Ethanol production: 150,000 m³/year
 - Power generation: 40 Mw-h
- Project start: July 2010
- In association with ISOLUX

Scope

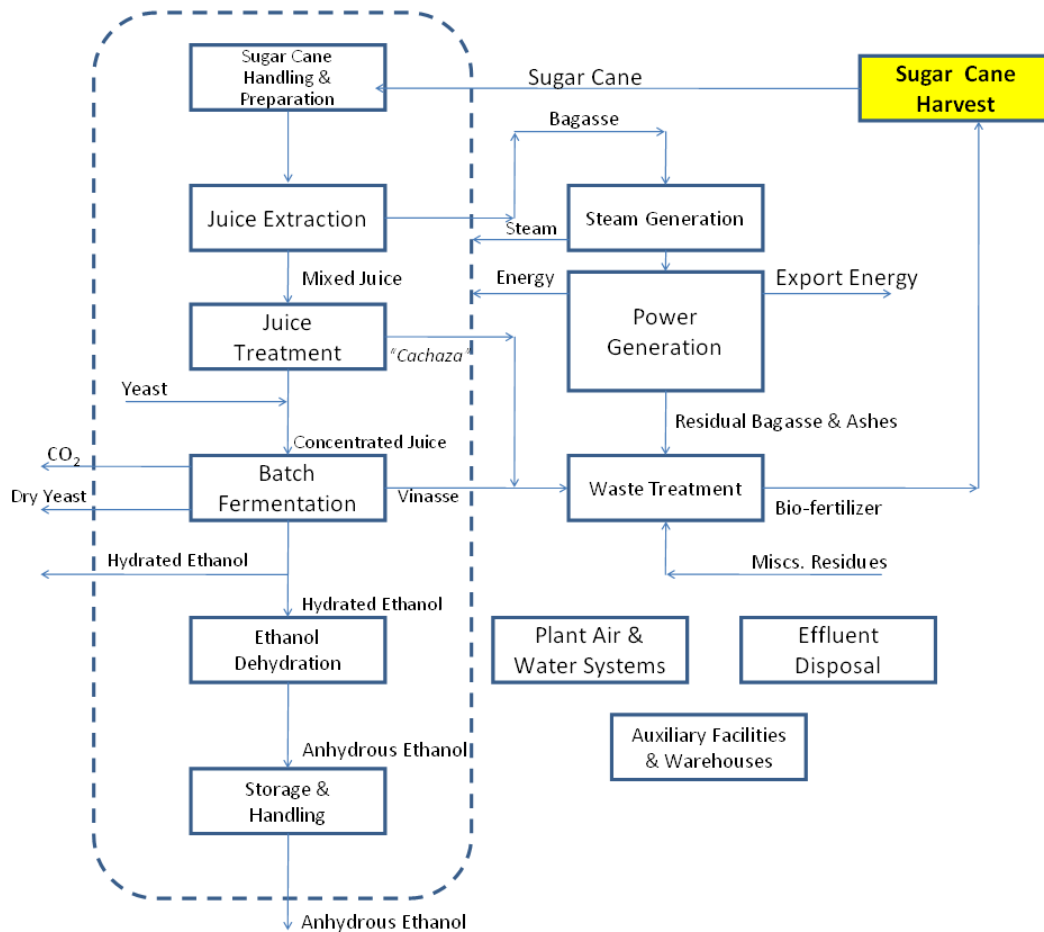
- Conceptual, basic and detail engineering
- Procurement
- Construction
- Personnel training
- Commissioning and start up

Facilities

- Cane reception, handling and cleaning
- Milling
- Batch fermentation
- Vacuum distillation
- Ethanol dehydration by molecular sieves adsorbent
- Vinasse treatment
- Steam generation from bagasse
- Steam turbines power generation

Highlights

- Integrated project, from cane production to anhydrous alcohol and electricity.
- Fertilizer production from wastewater and vinasse.
- Maximum integration of resources: water, steam, electricity and fertilizer.
- Strict compliance with environmental standards.
- Project relevant to the region's social development.



BIOETHANOL & ENERGY PRODUCTION PLANT – META DEPARTMENT, COLOMBIA – BIOENERGY

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