



# **CTC Cellulosic Ethanol Program**

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**VP Business and New Technologies**

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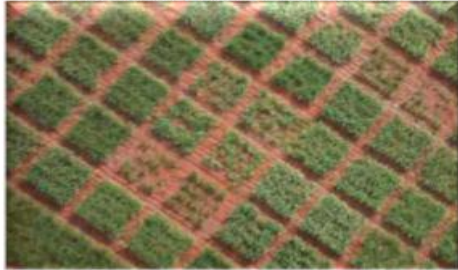
# CTC - SugarCane Technology Center History



Camamu Experimental Station



Quarentine Station Miracatú



Piracicaba Experimental Station



CTC's Headquarter



CTC- Centro de Tecnologia Canavieira

1969

1979

2004

CT Canavieira  
Oscip

2011

CTC S/A

Centro de Tecnologia Copersucar

- Launching of first variety CTC: SP-1143 in 1983
- CTC Shareholders represent 60% of the milling capacity with > 5 million ha



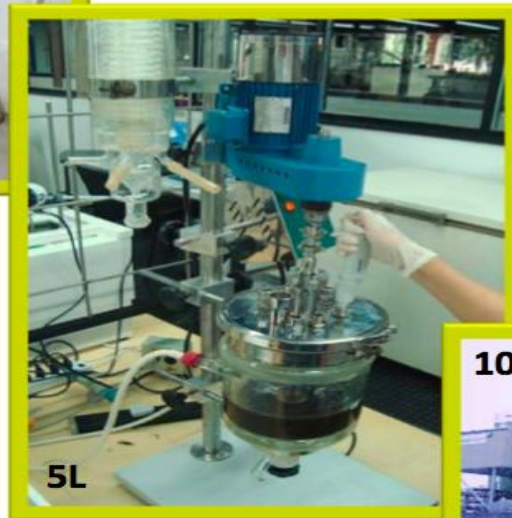
**E2G**

# CTC Cellulosic Ethanol Development Program

2007



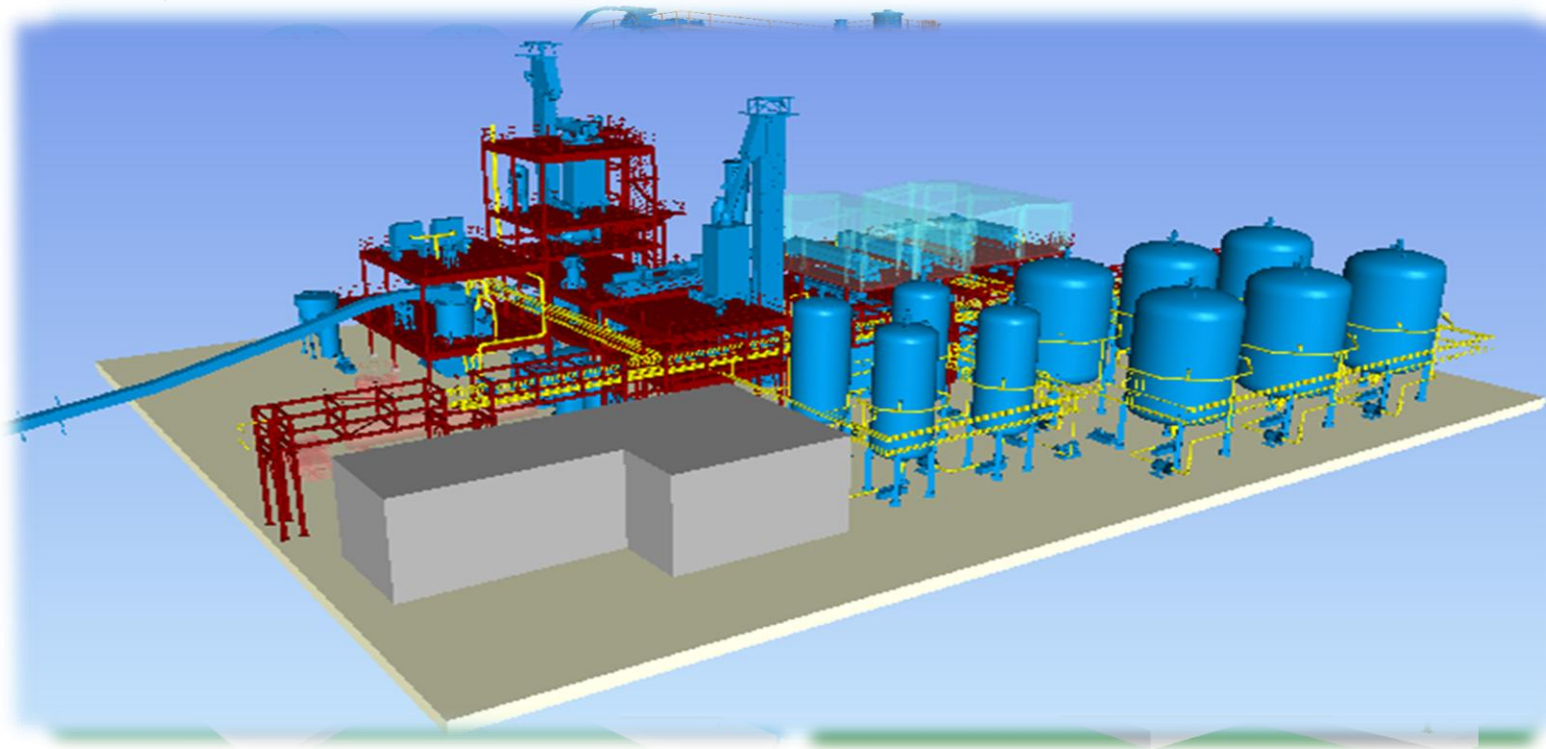
2009



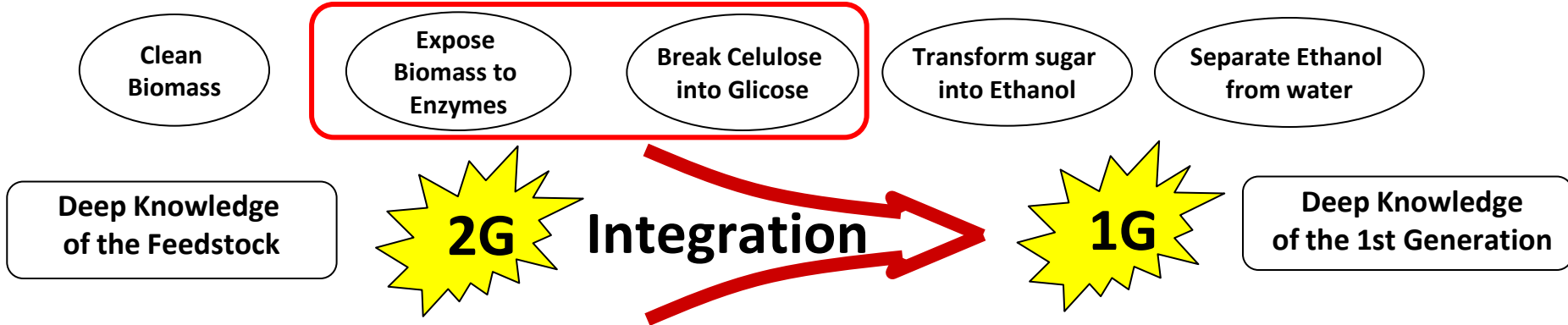
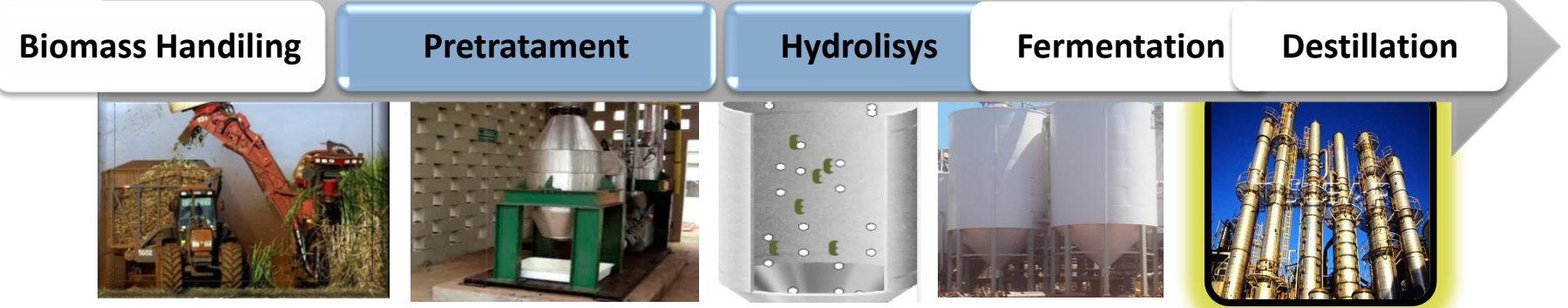
2011



# Demonstration Plant E2G CTC



# CTC SECOND GENERATION ETHANOL PRODUCTION PROCESS



# CTC-E2G Technology - 3D Project - São Manoel Mill



# Obrigado!

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