Second Generation Ethanol
No ILUC Biofuel

February, 2017
Raízen is one of the most competitive energy companies in the world and pioneer to integrate sugarcane ethanol production with its distribution and trading.
Raízen
Big Numbers

- **30k** employees
- 2,1 bi liters of ethanol produced and 25,2 bi liters of fuels sold per year.
- 4,2 mi tones produced of sugar per year
  - 4,5 mi tones of sugar sold per year

- **24 mills** of sugar, ethanol and bioenergy production + Second Generation Ethanol Plant
- 98% of mechanized harvesting
- +5,800 Shell Service Stations
- +950 Shell Select Stores
Raízen

Presence - Brazil and International Markets

- Administrative offices
- Fuels distribution terminals
- Airport depots
- Retail Stations
- Production Facilities

Switzerland
USA
Singapore
Philippines
Second Generation Ethanol

Costa Pinto

E2G COPI Project
Located in COSTA PINTO (COPI)
PIRACICABA, SP

Capacity: 42,200 m³/year
Capex: 72,220 MM US$

PRODUCTION MAP

Source: NIPE – Unicamp, IBGE e CTC

FLORESTA AMAZÔNICA

2,000 KM

RN
PB
PE
AL
SE

10% OF TOTAL PRODUCTION

PRODUCTION MAP

379 MILLS
160 in São Paulo State (60% OF PRODUCTION)

90% OF TOTAL PRODUCTION

Source: NIPE – Unicamp, IBGE e CTC
Innovation and Technology

A PATH TO THE FUTURE

**E2G**: a new technology that may contribute to the environment with the possibility to produce an additional 50% of ethanol with the same planted area.

Located in
**Costa Pinto (COPI)**
**Piracicaba, SP**

**Capacity**: 42,200 m³/year
**Capex**: 72.2 MM US$
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