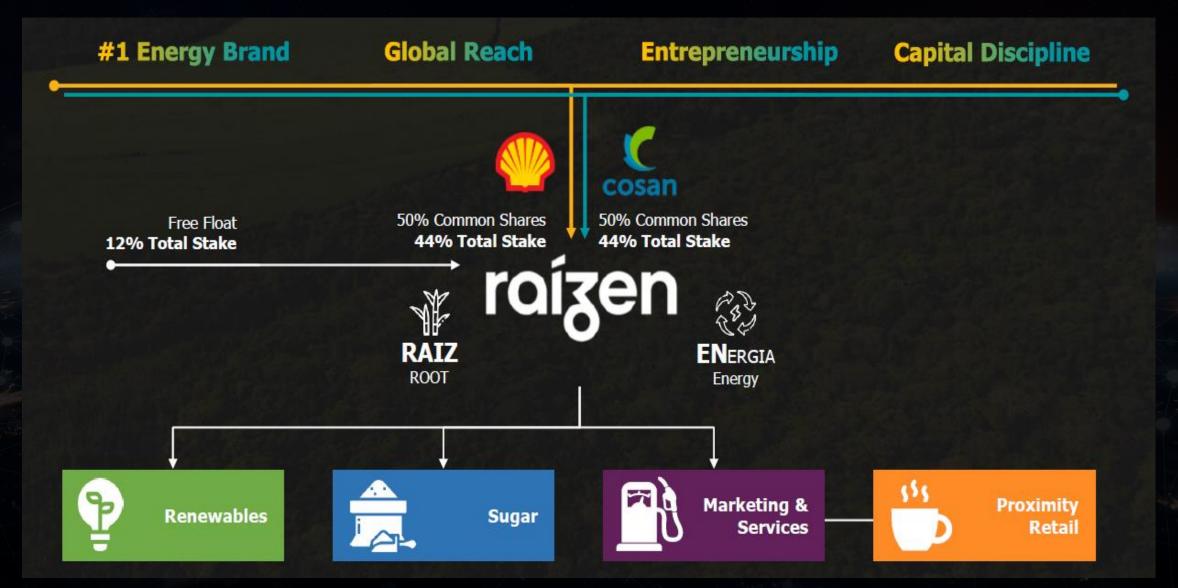




RAÍZEN HISTORY & INTEGRATED PORTFOLIO

OUR SHAREHOLDER STRUCTURE & BUSINESS UNITS





Our Ecosystem: From Soil-to-Consumer



35 Bioenergy Parks (1) 105 mm ton biomass processing capacity(1)(3)

1.3 GW Bioelectricity Generation Capacity⁽¹⁾ Energy self-sufficient in all units

Global **Ethanol Player** 12 mm m³ (2)(3)



Global Sugar Produced 6.2 mm ton(1)(3)



+2.5X Net Revenues

From **R\$ 52 bn** to **R\$ 125 bn**⁽¹⁾⁽²⁾⁽³⁾

18% ROACE

Return on Average Capital Employed (3)(4)

+4X EBITDA

From **R\$ 2 bn**⁽⁶⁾ to **R\$ 9 bn**⁽¹⁾

▼ Investment Grade Rating (Fitch, Moody's, S&P)

Distributor



#1 Ethanol Distributor in 7,300+ Service Stations

50+ Million Customers Served Annually (B2B2C)



1,300+ Shell Select Stores (5)

JV with FEMSA



Argentina (120 kbpd)











INTEGRATED ENERGY PLATFORM

One-stop-shop partner for the Energy Transition offering competitive low carbon solutions

EXCELLENCY PILLARS



Low Carbon Solutions



Operation Traceability



Circular Economy



Sustainable Value Chain



INTEGRATED PORTFOLIO



CUSTOMER



Powering Industries & Businesses



Energy to Consumers



Proximity & Retail



Digital Engagement & Platforms



Integrated Distribution Network



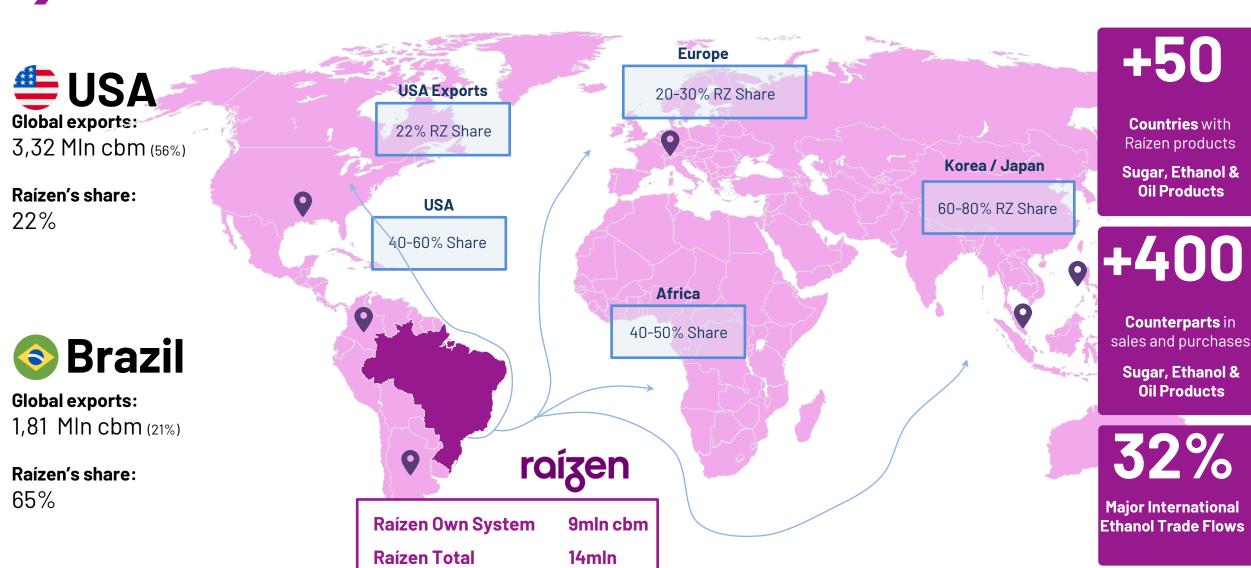
ETHANOL CURRENT AND FUTURE PERSPECTIVE

ETHANOL | LEADING PLAYER IN KEY MARKETS





LEVERAGED BY INFRASTRUCTURE THAT ENABLES DIFFERENTIATED SOLUTIONS



raízen

ETHANOL – E2G FULFILLING THE PLAN

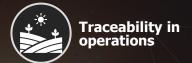
Raízen - Bioenergy Parks - Raízen Potential

roisen Redefining the future of energy

Efficient and Sustainable land use = profitable Circular Economy





















PROVEN TECHNOLOGY



Raízen's technology has evolved with success in the last 30 years achieving a unique technological position in the market

1991 - 2004



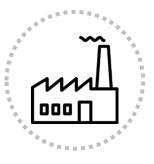
2010 - 2014

2014 - 2022





Pilot Plant





Early-stage development

• 1991-95 - Alliance logen and Amoco

• 2002 - Shell investments in logen

cellulosic biofuel technology

for E2G development

- 2004 Start-up of pilot plant in Ottawa, Canada
- 2010 Shell and Cosan form an 50/50 JV, and Shell transfer its holdings in logen to Raízen

1st Commercial unit

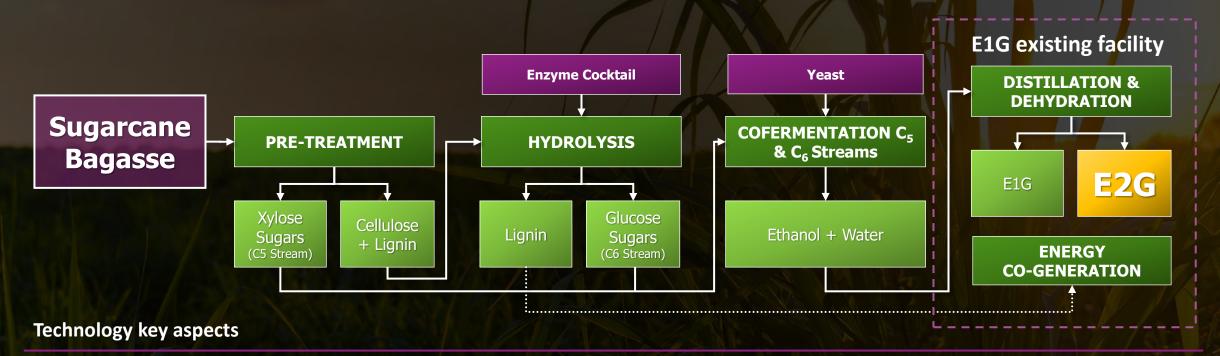
- 2010-14 R&D, project design and construction of Raízen first E2G plant in Piracicaba, SP - Brazil
- 2014 Commercial plant start up with capacity of 32 million liters per year

Technology maturity

- 2014-20: Technology enhancement on commercial plant, reaching maturity to scale-up
- 2021: Approval of three new commercial units
- 2022: Three plants under construction + approval of additional 5 commercial units

RAÍZEN E2G PROPRIETARY PROCESS AND INTEGRATION **TO E1G MILLS**

Raízen technology has an integrated approach to smartly valorize biomass and take advantage of existing E1G assets



- Competitive & fully synergetic technology with existing sugarcane E1G mills
- Proprietary Pre-treatment with +25 years of development and +8 years of industrial expertise
- Proven operational know-how, with many solutions and improvements included
- Robust engineered yeast able to conferment C5 & C6 with high productivity and yields
- World-class tailor-made enzymes supply with guaranteed quality

RAÍZEN'S E2G FULFILLING THE PLAN



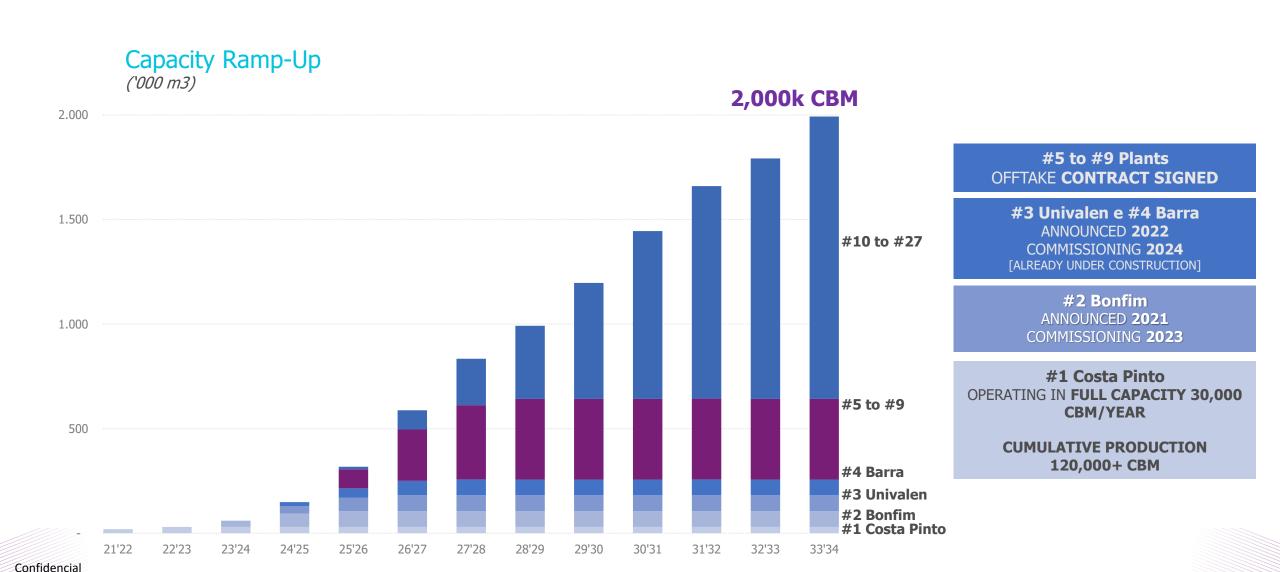




PHOTO - BONFIM MILL





PHOTOS - BONFIM MILL

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PHOTO - UNIVALEM MILL

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PHOTO - BARRA BONITA MILL

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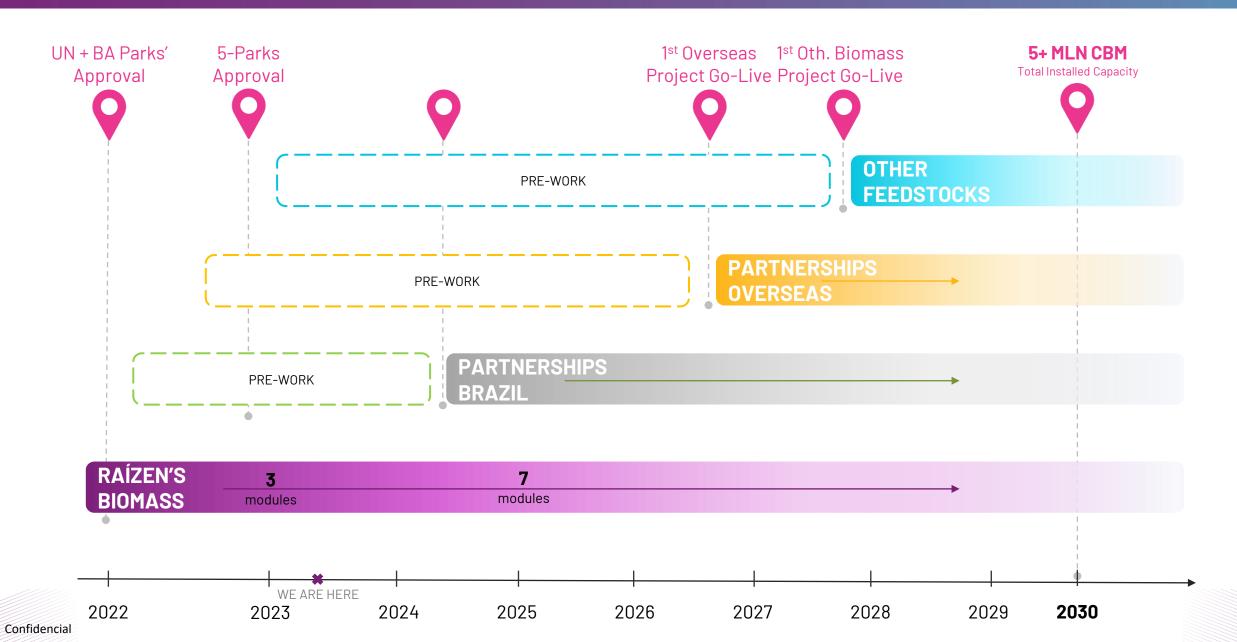




RAÍZEN'S E2G

ROADMAP 2030







- -> PEOPLE! to roll-out the construction of multiple plants in parallel:
 - -> Key proprietary equipment production
 - -> Engineering/construction
 - -> Plant startup and operation
 - -> Technology optimization
- -> Technology optimization (fine tunning)
- -> Utilization of the by-products. GMO yeast that can consume by-products with low concentration (organic acids, arabinose, inhibitors, etc..) to increase carbon conversion yields
 - -> Increase enzyme efficiency and unit cost
 - -> Reduce ashes content in the bagasse/straw (reduce maintenance costs)

-> Lignin application

