



**omnicane**  
*Integrating Energies*

**Circular Economy Conference 2022**

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**Group Chief Sustainability Officer**





**“An overview of Omnicane’s Integrated Industrial Cane Cluster. A sustainable model based on the circular economy approach”**



# Outline



- **About Omnicane**
- **Challenges of the Mauritian Sugar Industry**
- **La Baraque Integrated Cane Cluster**
- **Impacts of the Circularity Approach**
- **Way forward**

# About Omnicane



Cane & Sugars



Bioethanol



Energy



Logistics



Property & Leisure

# Omnicanne at a Glance



- Incorporated since 1926 as MTMD
- Rebranded as Omnicane in 2009
- 2,200 shareholders
- Listed on the SEM & SEMSI
- 1,500 employees





# Our Shared Vision

## **Vision:**

To be a leading force in sustainable development through constant innovation

## **Mission:**

We strive to make the utmost sustainable use of resources at our disposal, for the benefit of all

## **Values:**

**R**esponsibility, **I**nnovation, **I**ntegrity, **S**ustainability,  
**E**fficiency



# Our Sustainability Engagement



We consciously operate for the benefit of **people**, **planet** and **prosperity** by:

- ✓ **Engaging constructively** with our stakeholders
- ✓ Developing our **collective eco-consciousness** to promote cleaner production
- ✓ Embracing sound business models to develop **resilience** and achieve **long term growth**



# Omnicanne's Operations

Sugarcane Milling



Land & Property Development



Refined Sugar



Sugarcane Cultivation



Logistics & Haulage



Thermal Energy



Bioethanol



# Regional Expansion Projects

**Kenya:** Setting up and part management of a sugarcane cluster in Kwale

**Rwanda:** Construction and operation of a 5.5 MW Hydroelectric Power plant





# Challenges of the Mauritian Sugar Industry



# Sugar Industry's Main Challenges

- **Open market - Direct competition with other sugar producing countries**
- **Growing scarcity of resources (Sugarcane, Labour)**
- **Stricter environmental legislation**
- **Increasing Client/Customer need for sustainable products**

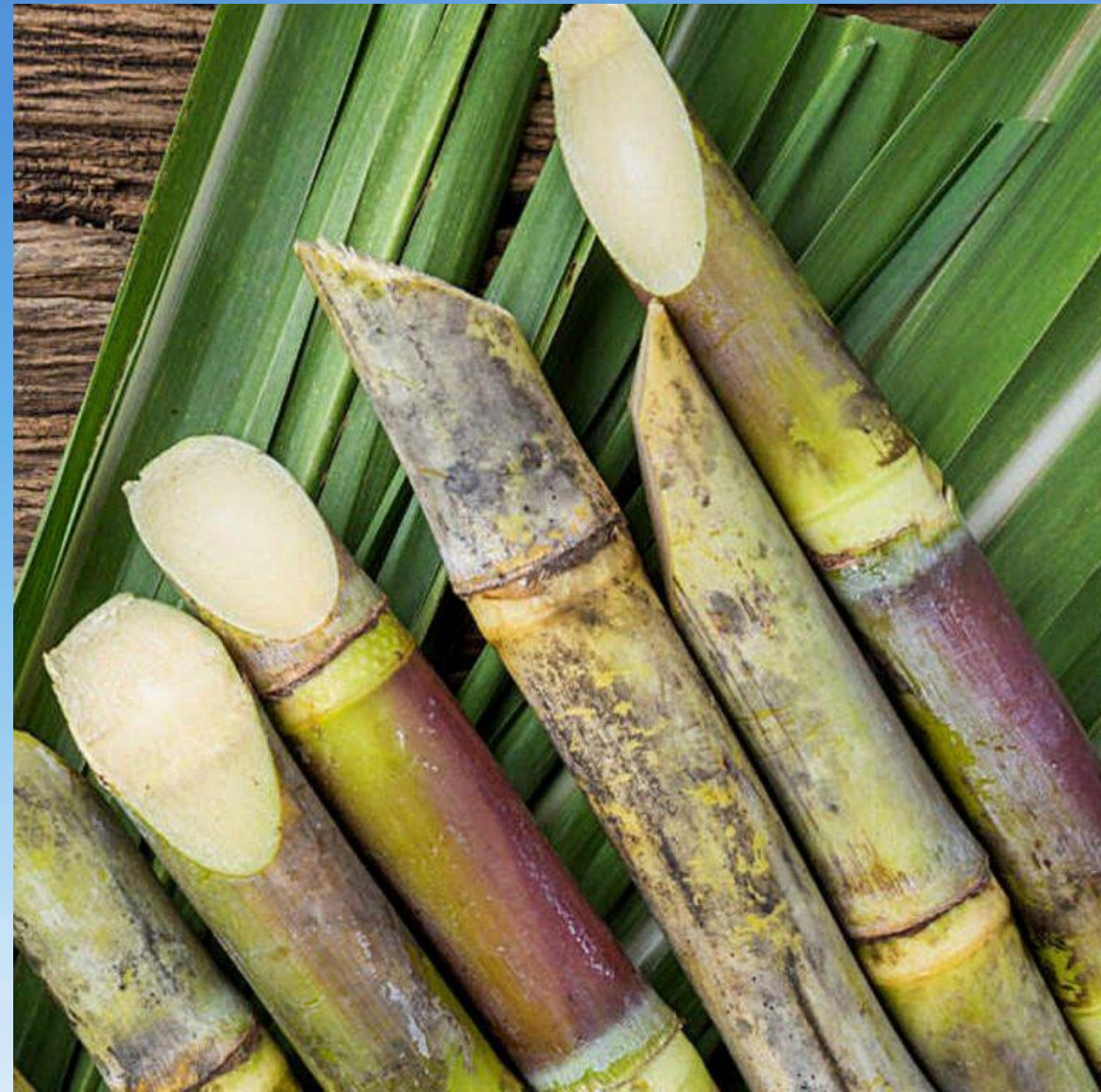
# MAAS – A Roadmap for our Sugar Industry

## 1. Reducing costs:

- Centralisation of milling operations
- Voluntary/ early retirement
- Grouping of small planters for block farming

## 2. Adding value:

- Cogeneration of electricity
- Refined sugar
- Bioethanol / Concentrated Molasses Stillage (CMS)  
as fertilizer



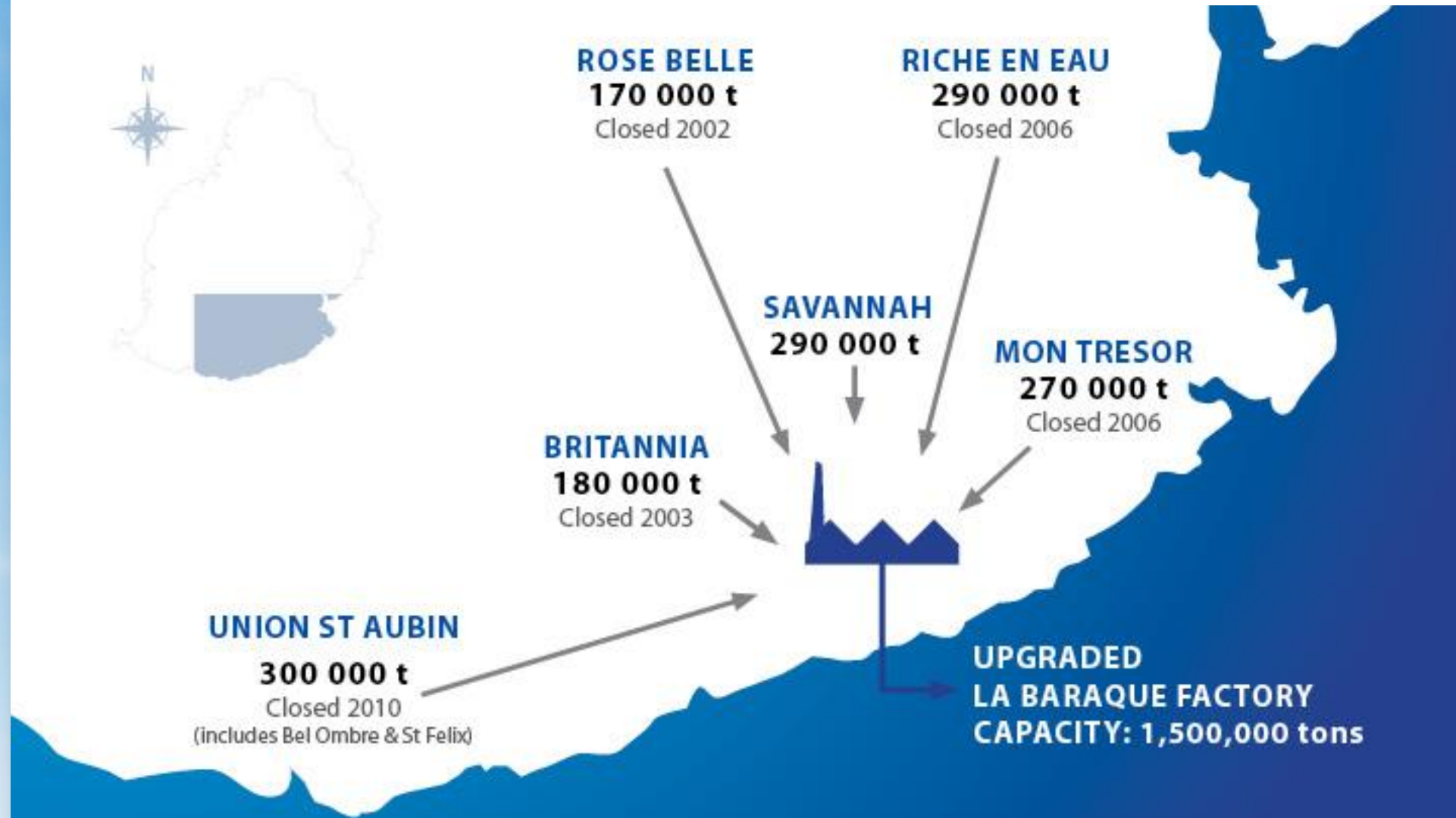




# La Baraque Integrated Cane Cluster



# Centralization of Milling Operations to La Baraque





# Our Fully Integrated Flexi-Factory Complex



Bio-Fertiliser Plant

CO<sub>2</sub> Bottling Plant

Bioethanol Distillery

Carbon Burn Out Unit

Cogeneration Power Plant

Cane Sugar Refinery

PWS Store

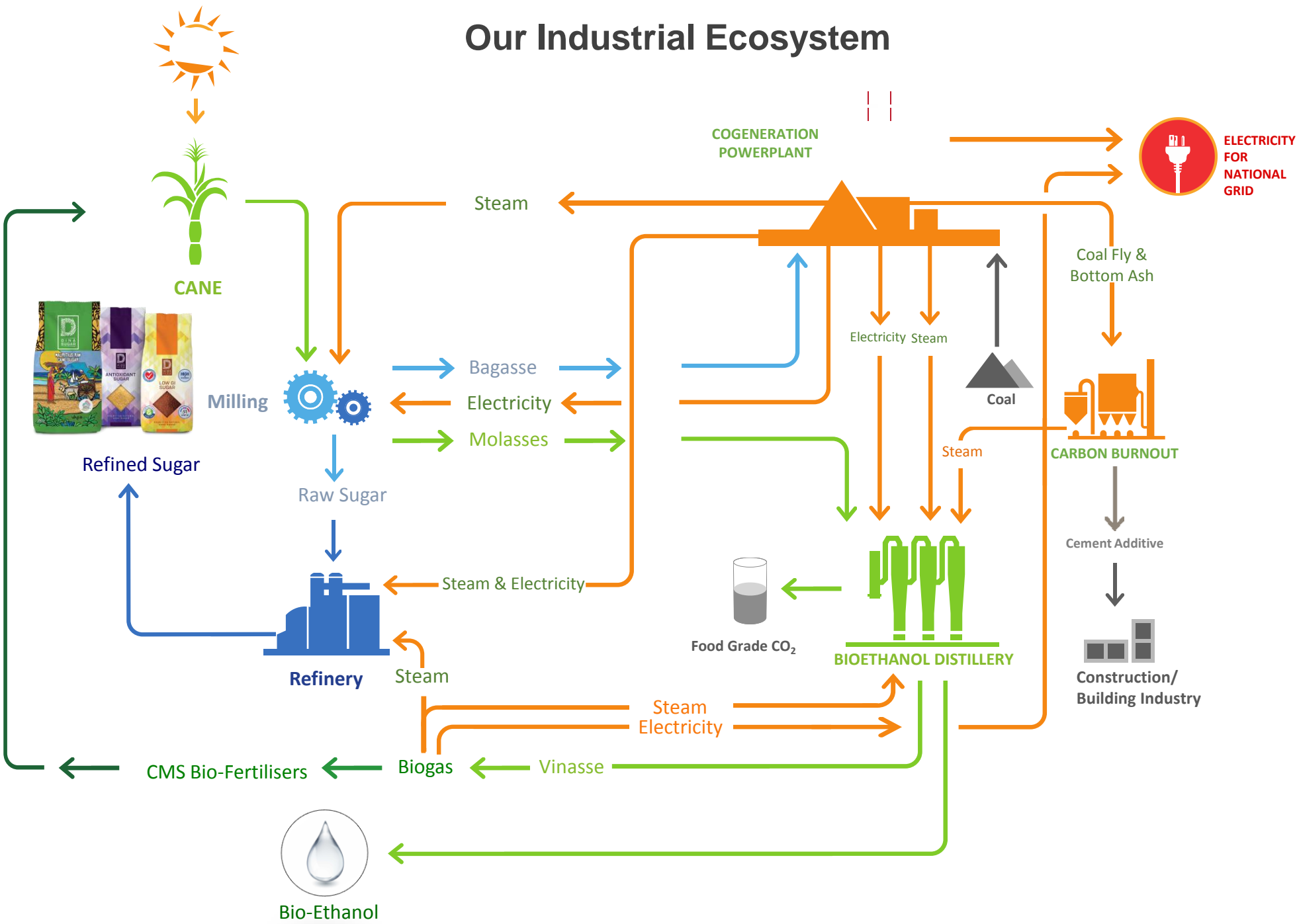
Sugar Mill

Cane Platform



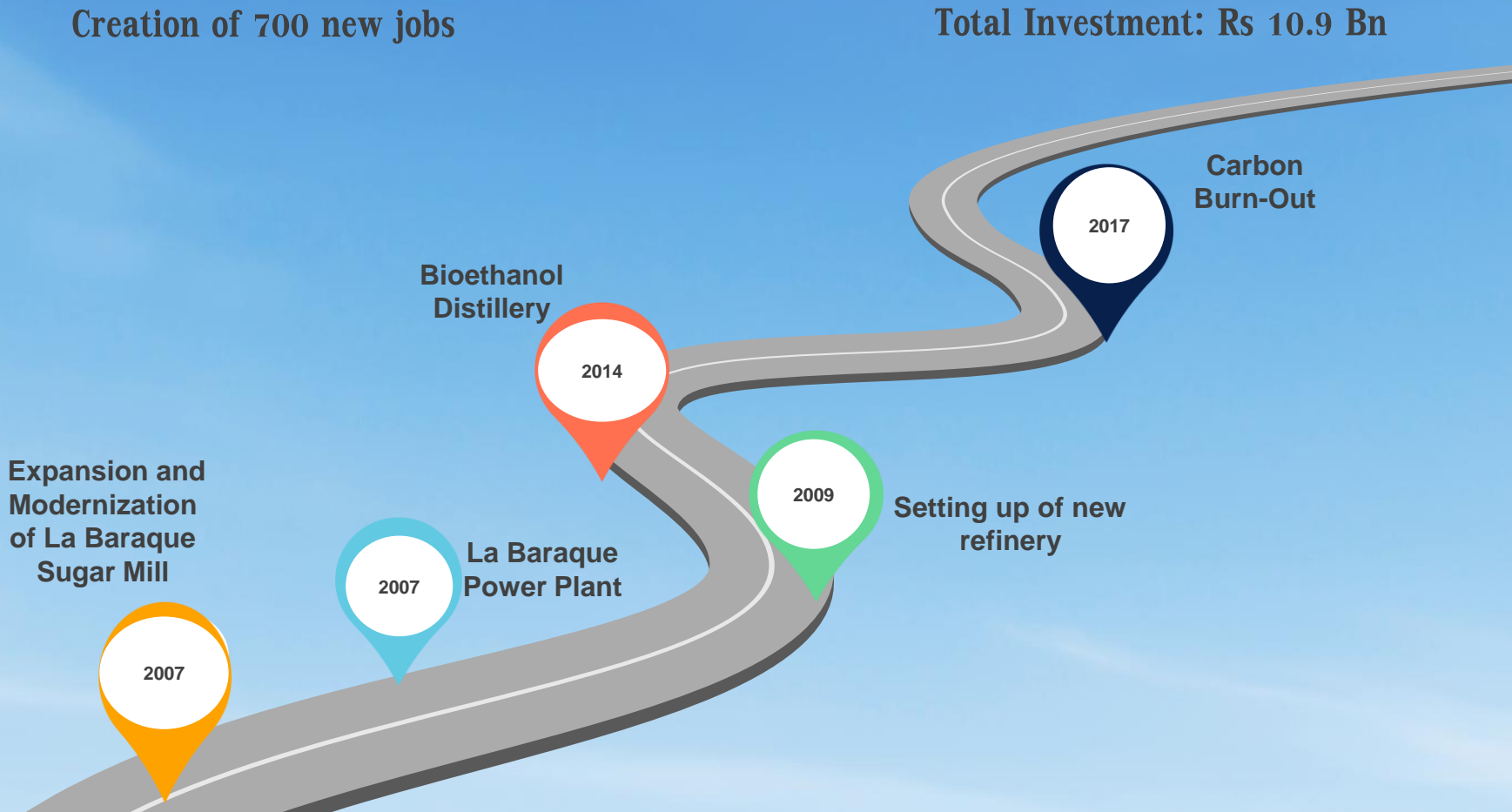


# Our Industrial Ecosystem





# Industrial Cluster Roadmap 2007 - 2017



# Adoption of Key ESG Standards





# Impacts of Circularity Approach on Key SDGs

**7** AFFORDABLE AND  
CLEAN ENERGY



**8** DECENT WORK AND  
ECONOMIC GROWTH



**17** PARTNERSHIPS  
FOR THE GOALS



**12** RESPONSIBLE  
CONSUMPTION  
AND PRODUCTION



**13** CLIMATE  
ACTION

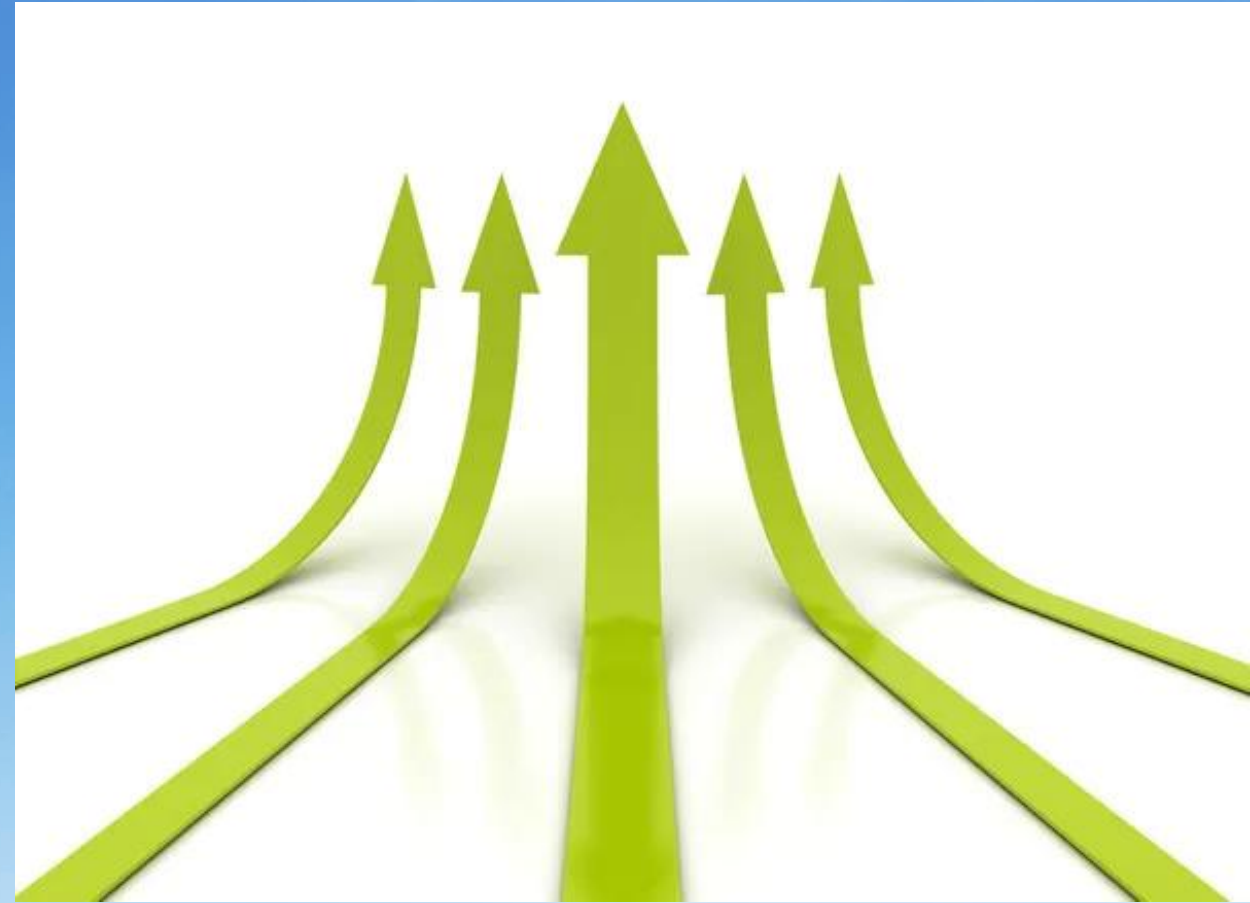


**9** INDUSTRY, INNOVATION  
AND INFRASTRUCTURE



# The Way Forward

- **Energy Transition**
  - Explore Renewable Energy alternatives to coal (Cane trash, woody biomass, biogas, Refuse Derived Fuel)
- **Energy Efficiency**
  - Further optimization of sugar and ethanol manufacturing processes
- **Product Innovation**
  - Develop new products through R&D and attract new customers







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*Thank you for your attention*

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