

## **National Conference on Circular Economy**

25<sup>th</sup> – 27<sup>th</sup> May 2022



"An overview of Omnicane's Integrated Industrial Cane Cluster.

A sustainable model based on the circular economy approach"

## Agenda



- Challenges of the Mauritian Sugar Industry
- About Omnicane
- La Baraque Integrated Cane Cluster
- Key benefits from adoption of Circular Economy approach

# **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

## **About Omnicane**













### **Omnicane at a Glance**



- Born in 1926 (Ex MTMD) from Mauritius' centuries-old sugar industry
- Rebranded as Omnicane in 2009
- Omnicane is listed on the Mauritius Stock Exchange & SEMSI
- Ranked among the Top 100 Companies in Mauritius

### **Our Vision & Mission**



#### 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

RIISE

Responsibility, Innovation, Integrity, Sustainability, Efficiency

## **Our Sustainability Engagement**



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

- Being a responsible corporate citizen, valuing our people, engaging constructively with our local communities and actively supporting numerous local and national NGOs
- Developing our collective eco-consciousness to promote cleaner production and judicious use of natural resources
- Embracing sound business models to develop resilience and achieve long term growth

## **Omnicane's Operations**

Sugarcane Milling

Land & Property Development





Logistics & Haulage



**Sugarcane Cultivation** 



Thermal Energy





Bioethanol

# La Baraque Integrated Cane Cluster





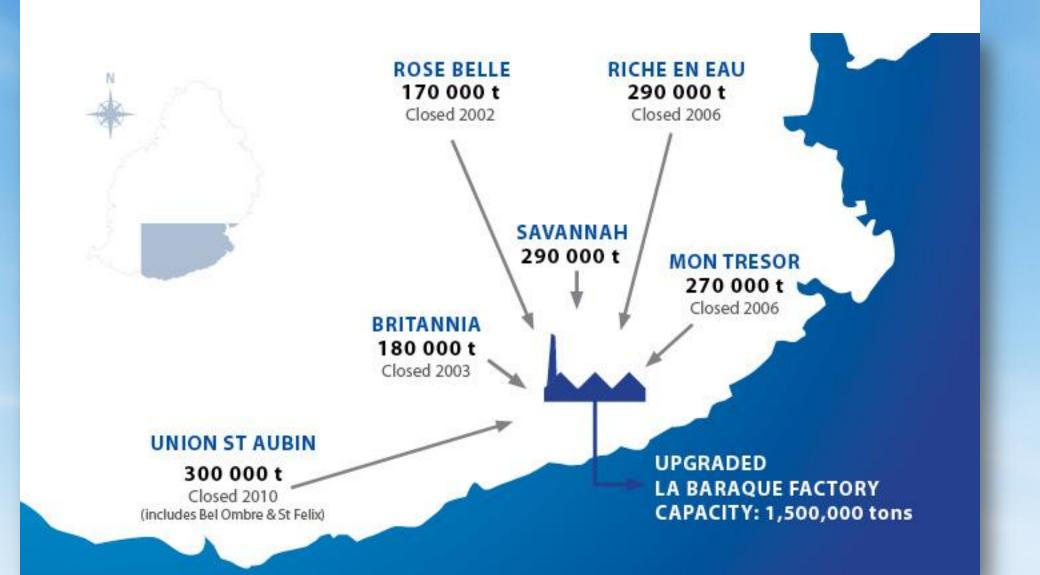








### **Centralization of Milling Operations to La Baraque**













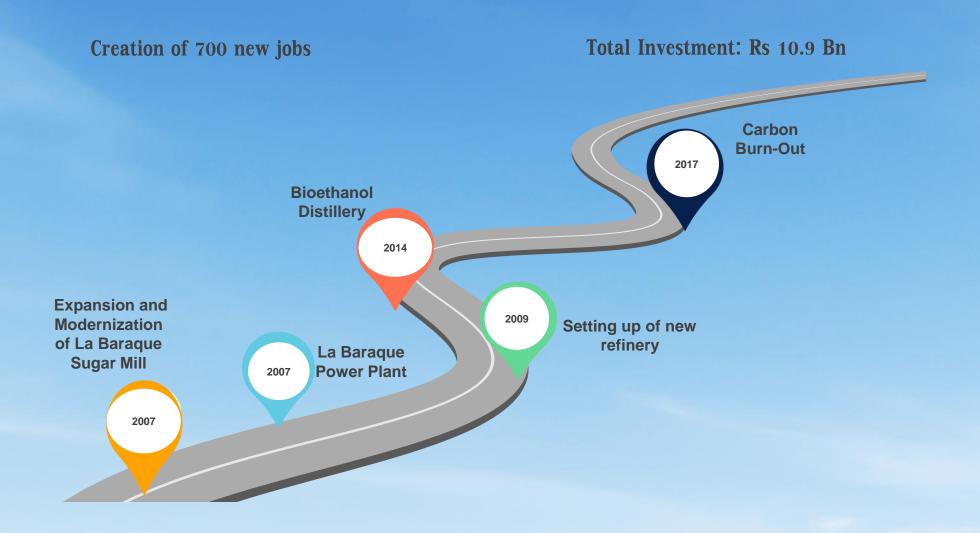




Cane & Sugars

#### **Our Flexi-Factory Industrial Ecosystem COGENERATION ELECTRICITY POWERPLANT** FOR NATIONAL Steam Coal Fly & Bottom Ash **CANE** Electricity Steam Bagasse Milling 7 Electricity Coal Molasses Steam **CARBON BURNOUT Refined Sugar** Raw Sugar **Cement Additive** Steam & Electricity Food Grade CO<sub>2</sub> **BIOETHANOL DISTILLERY** Refinery Steam Construction/ **Building Industry** Biogas Vinasse CMS Bio-Fertilisers $\leftarrow$ **Bio-Ethanol**

### **Industrial Cluster Roadmap 2007 - 2017**



### **Adoption of Key ESG Standards**

























### **Key Benefits from Circular Economy**



- Reduced cost of production through less wastage and more efficient use of resources
- Develop new products and attract new customers
- Build loyalty with customers
- Exceed Government Regulations and stay ahead of new requirements
- Reinforce brand and reputation as an innovative organization
- Attract, retain and engage employees



Thank you for your attention

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