17th February 2022



"Sustainability Initiatives in Cashew Industry". Case Study – Cashew Processing Hub at GDIZ, Benin



Cashew Processing Hub : Glo-Djigbe Industrial Zone (GDIZ), Benin









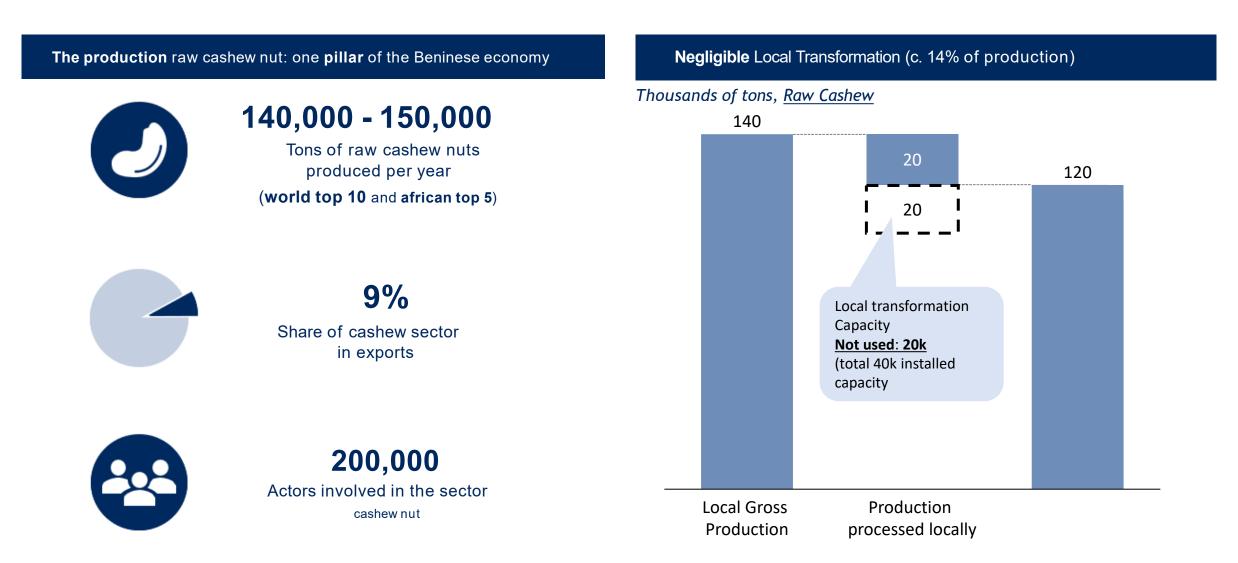
Cashew Processing Hub : **Glo-Djigbe Industrial Zone (GDIZ), Benin**



General Context

Significant gross Beninese production but still very limited local processing





Sources : APIEX, FAO, PSDSA

International trends in the Cashew Sector





Cashew Processing Hub & GDIZ's Role...



Raw Material	Raw Material Logistics	Warehousing	Processing – Industrial Park	Downstream – Marketing & Export
SOURCING Ensuring assured quality raw material supply to the Industries inside the Industrial Zone.	LOGISTICS Ensuring efficient handling of raw commodities at the Industrial Park through truck parking and container yard	STORAGE Storage of Raw commodities under appropriate conditions - warehouses and open ground storage	 MANAGEMENT Ready to use land/built-up on rent. O&M (electricity, water, utilities) 	 MARKETING Marketing assistance Logistics of finished material to the port
PRODUCTIVITY Increase productivity & plantation area	FINANCING 80% RCN Finance. Machine Finance as well	MANPOWER 50% Manpower salary of local workers	ANCELLORY UNITS Packaging- Cartons and Cashew Milk, Cashew Butter	SMALL PIECES Exclusive tie ups in Middle East

The Project – GDIZ



Development of an integrated cashew processing hub



CHARACTERISTICS

Number of processing units : 10



Complementary units: Laboratory, Carton packaging units, Plastic bags, CNSL Unit, Briquette & Charcoal: 5



Status : Under construction

Start of operations:

August 2022 - 2 units each 15,000 tonnes/year Jan 2022 - 2 units each 15,000 tonnes/year Mar 2023 - 6 units each of 10,000 tonnes/year



Environment Approval :

IFC Compliant Land compensation and Environment Impact Assessment & Monitoring



- Complementary Units: Plastic Bags, Laboratory Carton Box Packing Unit, Cashew Milk, etc.
- Warehouses
 - Cashew Drying Area
- CNSL Plant

GDIZ Warehousing & Logstics



Improve the logistics of the sector - Development of storage capacities

Project description



Warehouses under construction - GDIZ











The Project – GDIZ

Development of an integrated cashew processing hub

Presentation of complementary units



Facility: Single Window Clearance...

LEED Certified Single Window Clearance (SWC) building





Design Concept

SWC Building Designed to be built as **GREEN LEED CERTIFIED GOLD BUILDING**



Building in Benin (Proposed)

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Sustainable Development Policy

Adopt a sustainable development policy



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grown, harvested and

processed.



~38% higher carbon footprint if processing from India ~28% higher carbon footprint if processing from Vietnam

Cashew – Life Cycle Assessment





LCA assessment - Methodology

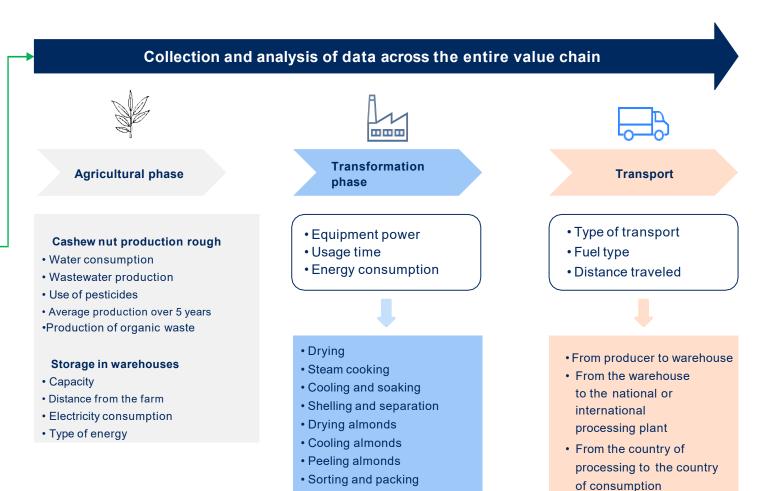
Goal

Determine **the environmental impact of production** and some **processing of cashew nuts in Benin** compared to other countries

Partnership with the independent consulting firm to do a life cycle assessment according to ISO 14040 and ISO 14044 standards :

- Purpose and scope : multi-country benchmarking study to assess the carbon and water footprint of processed cashew production
- **Stock analysis** : assessment of inputs and outputs of raw materials and energy at all stages of the value chain
- Impact assessment across the entire value chain
- Results interpretation





Sources : ARISE,

GDIZ Growing Client list

Snapshot of Signed Clients for the cashew processing zone









