CLEANSTAR MOZAMBIQUE COMMUNITY BIOINNOVATION LIM IS AN INTEGRATED FOOD, ENERGY AND FOREST PROTECTION BUSINESS

WE INVEST AND OPERATE ACROSS THE VALUE CHAIN. WITH VALUES. CULTIVATION

We help smallholder farmers implement agroforestry cultivation systems on their own land. We provide the seeds, technical expertise, and route to market for their surpluses.

PROCESSING

We build and and operate agro-processing infrastructure, enabling value to be added to crops, producing a range of food, feed and cooking fuel products.

DISTRIBUTION

We operate the storage, transport and retail infrastructure required to ensure that the products reach the strong demand present in Mozambique's cities.



"In Mozambique, 44% of children under the age of five are stunted due to chronic illness and poor diet... children living in rural areas are almost twice as underweight as those living in towns and cities."

UNICEF

Once upon a time, Africa boasted seven million square kilometres of forest, A third of that has been lost - most of it to charcoal."

United Nations



"Doubling African food production by midcentury will require nonconventional approaches, particularly since so many of the continent's soils are depleted, and farmers are faced with a changing climate."

World Agroforestry Centre

"The convergence of clean technology at the base of the pyramid offers unparalleled opportunity for innovation and growth."

Stuart L Hart

POVERTY, POOR HEALTH, ENVIRONMENTAL DEGRADATION

Farmers have limited market access for their crops, which leads them to out down trees to make charcoal for urban consumers for which demand and prices are growing strongly.

A BLEAK REALITY

Farmers have a poor understanding of family health, which leads them to grow low-maintenance staple crops with limited nutritional value. 44% of Mozambioan children under five are stunted due to poor diet and ohronio illness.

Farmers lack technical skills and inputs, which leads to poor farming practices such as slash-and-burn methods that deplete soils and result in further forest destruction.

Families are increasingly buying imported food due to limited domestic supplies.

Urban families recognize oharcoal as dirty, inefficient, and unhealthy, but have no real alternatives. Cooking indoors with oharcoal is equivalent to two packs of olgarettes per ohild per day.

Chargool prices have doubled in the last 3 years due to receding forests and growing urbanization. Chargool sales in Maputo now average \$30 per month per family.

ENERGIZING AFRICAN AGRICULTURE

THE CHANGE WE BRING

A BRIGHTER FUTURE

MORE FOOD, BETTER HEALTH, STRONGER LOCAL ECONOMY

By 2013, 3,000 families practice conservation agroforestry to produce their own food and sell surpluses for cash.

2.4 million indigenous trees will be planted in communities.

Greater crop diversity improves family nutrition levels, while the sale of orop surpluses delivers 500% improvement on incomes compared to charcoal production.

By 2014, 20% of Maputo households are using clean, safe, convenient, and affordable ethanol-based cooking solutions, preventing 4,000 hectares of forest destruction annually.

Reduced indoor air pollution improves family health.

Spending on cooking fuel and food drives rural development and environmental restoration.





