



# **KOKO Networks**

Introduction

## Biomass cooking is fuelling rapid deforestation in Africa



Country-wide modern energy transition programs are needed

# Climate and forests are reaching dangerous tipping points



### 4 million

hectares of African deforestation each year, part driven by demand for charcoal

### 1 billion

tons CO<sub>2</sub>e emitted annually from charcoal & wood cooking

### 2%

of global GHG emissions is from dirty cooking, equivalent to global aviation

# Air pollution from dirty cooking kills



**75%** 

of Kenyans use charcoal & wood for cooking 400+

Kenyans die each week from indoor air pollution

## 3 million

Annual deaths from indoor air pollution globally, 60% women & children

### A full energy transition to clean fuels is needed

Yet public subsidies – historically critical in driving such shifts – are lacking in tropical forest nations

## KOKO built the world's first ethanol energy utility



Leveraging KOKO's proprietary software and hardware to solve last mile clean fuel distribution



KOKO Smart Depots installed on new underground tanks at existing stations



KOKO Smart
Micro-Tankers manage
last-mile distribution
(fleet of 50 trucks)



KOKO Smart Fuel ATMs
installed inside local
corner shops
(network of 3000)



Modern KOKO
appliances with
Smart KOKO Canisters

### **KOKO Network Operations Centre**

manages the flow of fuel, carbon, appliances, payments and data (15M datapoints per day)



#### **Awards and recognitions**





"World's leading emerging markets climate-tech solution 2021"



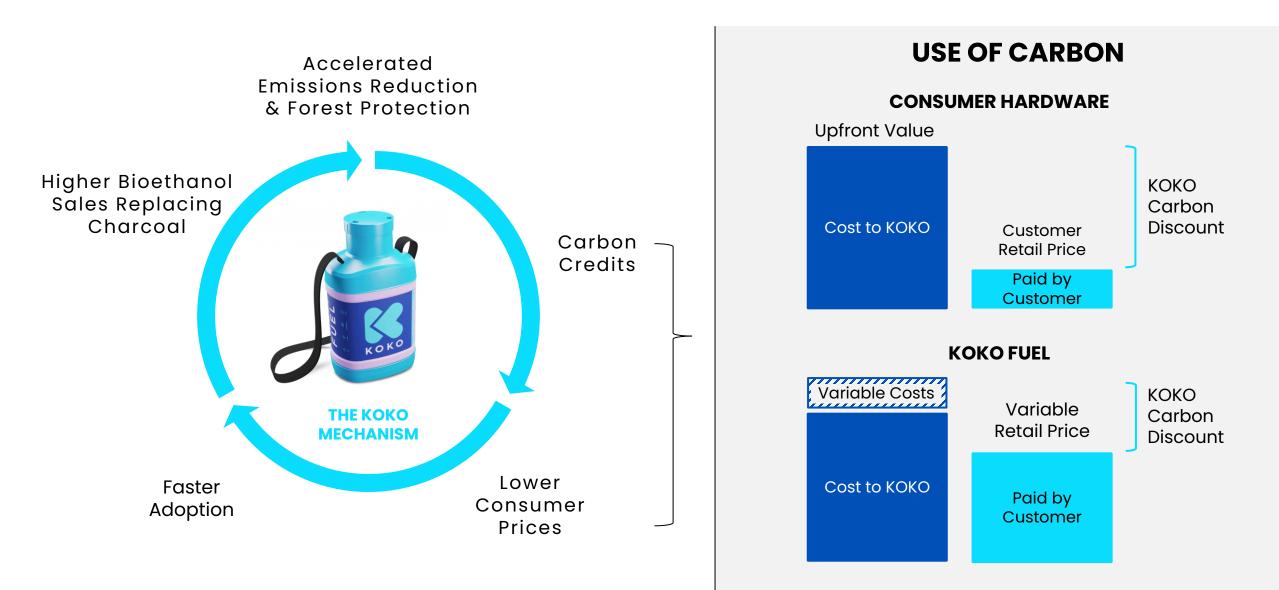
**Curve Prize** 



## Carbon solves the affordability gap

In countries where clean energy subsidies don't exist





## Cooking with KOKO Fuel is expanding rapidly

Entire cities have transitioned with impacts stretching beyond climate



**5M** 

KENYANS ENJOY COOKING WITH KOKO, INSIDE 1.3M HOMES. 10K **NEW FAMILIES JOINING WEEKLY** 

**25%** 

OF ALL KENYAN URBAN HOMES COOK WITH KOKO FUEL (12 CITIES)

**10Mt** 

CO2 REDUCTIONS CERTIFIED BY GOLD STANDARD SINCE 2019

\$160M

CARBON VALUE DELIVERED TO KENYAN HOUSEHOLDS TO-DATE

#### **Bioethanol Production**

**BY-PRODUCT OF SUGAR INDUSTRY** 





8 DECENT WORK AND ECONOMIC GROWTH







Value addition to domestic sugar industry

### **Fuel Supply & Agent Network**





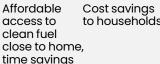


Profitable new line of business for mostly women-owned SME partners

#### **Urban Customers**

€







Zero indoor to households air pollution for women



Reduction in urban air pollution/GHG and children emissions from charcoa



Forest protection via reduced and water demand for tower charcoal

15 LIFE ON LAND

Carbon sequestration protection

2 ZERO HUNGER

INDUSTRY, INNOVATION AND INFRASTRUCTURE

Improved food security