AFRICAN CLEAN ENERGY

Combining comprehensive clean energy with the power of data.

PITCH DECK SEPTEMBER 2023

At 179.8 points, African Clean Energy is **ranked the #1 B-Corp in Europe** and **#2 in the world** (out of 6000+).

MARKET SIZE AND PROBLEM

Globally 3 billion people have inadequate access to energy, forcing them to cook on open fire.

- Cooking on open fire causes **emissions of 3 to 8 tonnes** of CO_2 per year

- Over **4 million deaths** a year are attributed to household air pollution

- The **#1 cause of deforestation** in a majority of African nations

- Opportunity to **increase global demand for pellets by up to an order of magnitude**. Half tonne per household per year.
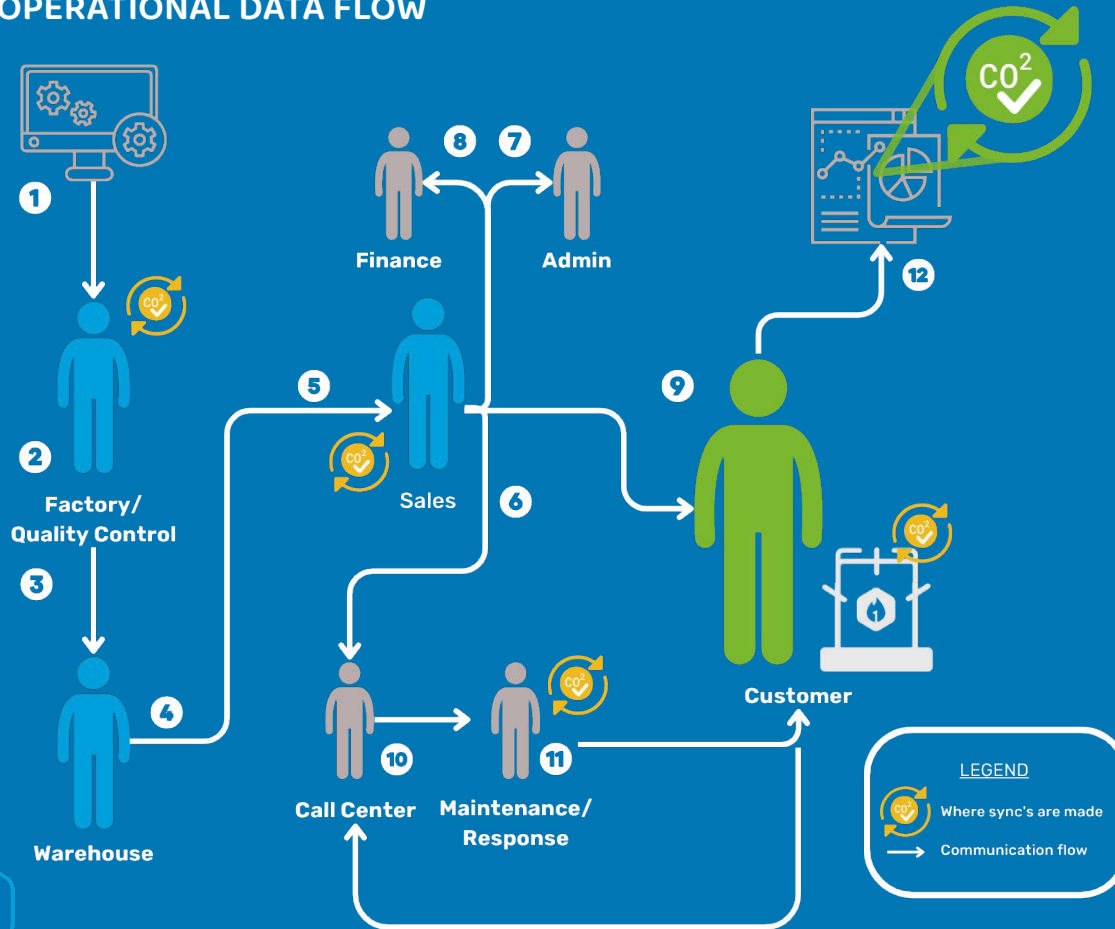
THE ACE SOLUTION

The ACE One is an <u>integrated hybrid energy system</u> that addresses the essential energy needs of low-income households, providing both thermal energy and electricity.

- Saves Fuel

- Smokeless Combustion

- Provides Lighting and Phone Charging

- Usage Data Reflected

- Fuel Tracked through Supply Chain: Pellets / Briquettes

OPERATIONAL DATA FLOW
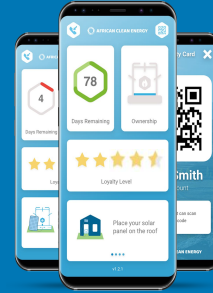
AFRICAN CLEAN ENERGY

Factory/Quality Control

Warehouse

Finance

Admin

Sales

Call Center

Maintenance/Response

Customer

LEGEND

Where sync's are made

Communication flow

1. Generate serial numbers.

2. Factory team receives and **assembles** the stove and **lasers** the serial number onto the stove.

3. Quality Control (QC) performed and **registration** in Salesforce to match Serial number and Controller ID.

4. Boxing, stickering & **scanning into InvMan** is all conducted to create a saleable product.

5. Transfer to sales team who makes the sale and **creates a customer record, sets up the stove and ACE Connect.**

6. The call center is informed of a sale. They **onboard** the customer into our system, **verifying all details.**

7. The admin team also **reviews the sale and payments**. If on loan, they're requesting loan funding & track the loans.

8. Finance is **verifying payments.**

9. The customer **uses the stove, syncs, and makes monthly payments**. If issue occurs, they **contact the call center**.

10. The call center **chases payments**, helps resolve stove **issues, trains customers, encourages syncing, verifies usage data** and communicates to maintenance for field needs.

11. Maintenance team **resolves stove issue** reported, **chases payments, trains customers and encourages syncing**.

12. The **storage and transformation of usage data,** which is used to calculate the **certified carbon credit**, which is then **sold to Carbon Buyers,** who expect robust, transparent data.

ACE's available sales market is over 600 million households and counting. ACE has:

- **bespoke proprietary tech** and **scalable profitable locations** in 4 countries, with a focus on East Africa.

- **software** that can be leveraged to **replicate our operations through third parties** with footprint in new and existing markets.

- **clear demand** in both the development and humanitarian sector for data capabilities and impact monitoring that ACE can supply along with our superior hardware.
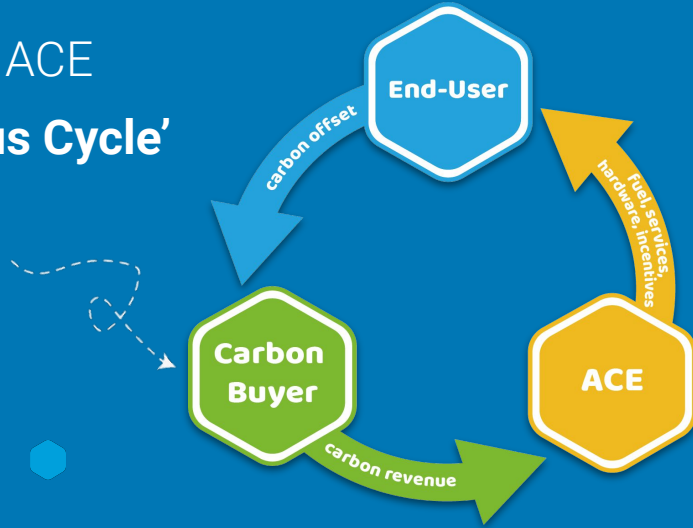
Android Integration

Superior Hardware

Real-Time Data

<CLICK> for product video

AFRICAN CLEAN ENERGY

The ACE
'Virtuous Cycle'

carbon offset

End-User

fuel, services, hardware, incentives

Carbon Buyer

ACE

carbon revenue

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✓ Accurately measures impact at a household level

✓ Generates revenue stream that improves affordability to poor households

✓ Passes the value on to the end-user based on their level of engagement

✓ Transparent and granular data for verification of measured impact, including carbon offsets

Key Impact Indicators 2022:

52%
Women in management or supervisory positions

323
Averted disability-adjusted life year [1]

2030
People's livelihoods directly supported [2]