

Enabling a green transition to clean cooking and lighting for millions of deserving customers.

August 2022





# Globally 3 billion people have inadequate access to energy, forcing them to cook on open fire, creating a market opportunity of over 600 million households



A substantial majority cooks on open fire using wood or charcoal for reasons related to costs and accessibility of other alternatives causing emissions between 3 and 10 tonnes of CO2 per year



Over 4 million people die every year from illnesses attributable to household air pollution



In most African countries the rapidly growing need for fuelwood and charcoal is the #1 cause of deforestation

The sector that ACE operates in is often referred to as 'Clean Cooking', a framing that doesn't adequately reflect the fact that it represents the <u>single biggest climate finance opportunity</u> in almost every emerging market, currently still rapidly expanding, at:

2.5 <u>Billion</u> tonnes of CO2 emitted globally per annum / ~5% of all human emissions



MONTHLY COSTS TO

ACCESSIBILITY

Electricity (grid\*\*)



**EUR 29** 



Gas



EUR 29

Kerosene



EUR 22



**Biomass** 



EUR 0-8



The average budget of low-income households amounts to EUR 60-120 per month

\*https://iopscience.iop.org/article/10.1088/1748-9326/aa6fd0

\*\* Assuming grid connection (note that Africa has a high number of blackouts). Costs for mini-grid are 2 to 4x times higher whereas solar home systems lack the capacity for cooking (thermal energy)



The ACE One provides an integrated high-quality solution for both thermal energy and electricity addressing the essential energy needs of low-income households



The ACE One is a modern cooking stove flexible to all biomass products saving 50-85% on fuel use compared to open fire, and by providing customers with sustainably sourced biomass ACE even transforms this market to fully climate neutral



A battery powered fan blows air into the burning chamber causing the biomass to gasify without smoke enabling fuel savings of up to 85% for 20+ hours on a single charge



The package includes an LED light



The ACE One can be paired with any Android smartphone using the ACE Connect app allowing usage data uploads and switch-off in case of default on payments



# ACE has a sophisticated technology platform through its unique Android integration with ACE One solving for all scalability hurdles

## **ACE's proprietary ACE Connect platform allows Energy-As-A-Service:**

- Pay-As-You-Go
  - Allows complete switch-off of unit in case of problematic default on expected payments, and digital customer interaction through customer facing Android application
- Transparent Portfolio Management
  Scalable digitised loan management tool that incentivises payments on time prevents over-indebtedness and promotes financial inclusion
- Live Data Uploading
  Usage data is being captured live through a fully integrated cloud-based CRM allowing dynamic impact assessment based on real data, and use of data for tokenizing carbon impact
- Digitally Accessible Fuel
  Digital fuel ordering and reward functionalities to establish a sustainably sourced fuel distribution system for convenient and affordable pellets and briquettes

AFRICAN CLE Days Remaining Ownership Days Remaining Suzan Lovalty Level Lovalty Le n agent can scan Place your solar Soları our OR code panel on the roof .... AN CLEAN ENERGY

Launched in 2019

SAMSUNG

Samsung assists with technical integration, sourcing devices and mobile management

ACE's tech infrastructure allows for granular insight within operational data, and user data. Through our dashboard we see operational data for a cohort.

Promotion of the ACE One

The sales agents collects
ustomer information in
TaroWorks.

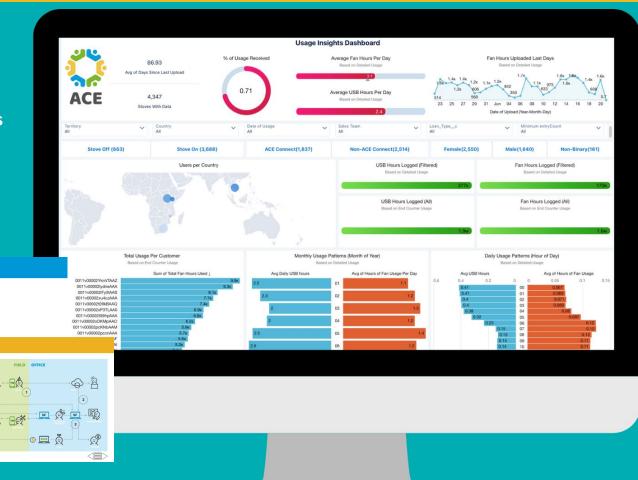
TaroWorks is synced and the data

s uploaded in the Salesforce
system.

Salesforce is used by different
data:

Response
Outcomer Service
Outcomer Service
Outcomer Service
Finance

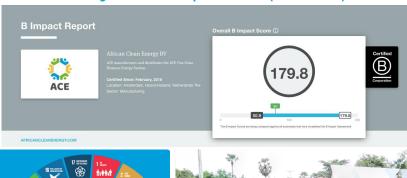
Responsibilities

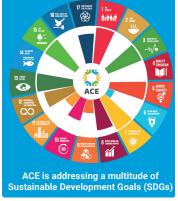


# ACE has gained significant traction in developing economies and is well positioned to become the global leader in its market



### ACE is the #2 highest rated B Corp in the world (out of 4000+)







# **Key partners, funders and recognition**





















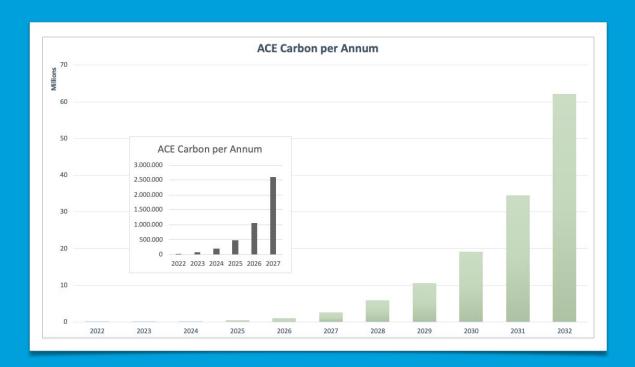








ACE has a contract to sell carbon at a minimum price of 15 euro per ton. Prices are anticipated to rise from 25-30 per ton or beyond.



ACE's team of experienced professionals as well as long-time company loyalists have guided the transition from start-up to scale-up with offices in 4 different countries with over 200 employees

#### MANAGEMENT



Ruben Founder | CEO Environmental engineer, mobile tech, entrepreneur since 2009



Judith coo Forbes 30 Under 30



Andra
Global Financial Controller
8 years experience incl PwC

#### TECH TEAM



Wang CTO 15 years IceMobile



Amarins CDO Former Salesforce Senior Solution Engineer with Analytics Blackbelt



Roger Head of CRM Former Salesforce Consultant for Taroworks



### **OPERATIONS**



**Tyra East Africa Director**Background in law and internal audit



Rethabile Lesotho Director 8 years at Vodacom



Daniel Cambodia Director Background in international business





# **Contact**

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