



# **BIOfranca Trans Technology Limited**

General construction &  
Structures, Civil & Road  
Engineering, Project  
Management, water  
and sewerage and  
General supplies



P.O. BOX 6394-006100 NAIROB Tel:  
+254721759068/+254700008961

Email: [info@biofranca.co.ke](mailto:info@biofranca.co.ke) Website: [www.biofranca.co.ke](http://www.biofranca.co.ke)  
Waridi Court, suite 3, Rose avenue-Kilimani



## INTRODUCTION

**Bio-franca trans technology limited is a sustainable energy and green construction entity. We provide varied sustainable solutions to different institutions and organizations both private and public in urban and rural areas of Kenya.**

**Our Vision is To have resilient communities with necessary infrastructure that protects them from dangers that include pandemics, climate change, economic shock waves and battles arise due to scarcity of vital resources and information.**

### **Our Goals/Objectives**

- a) To empower the youth, women and vulnerable groups in innovative entrepreneurial skills that address climate change and associated effects of Pandemics through training.
- b) Establishing and supporting income generating sustainable energy micro-projects to act as demonstration centers/centers of excellence.
- c) Lobbying and advocating the leadership at all levels to integrate current youth and other vulnerable community members' challenges in their policies, development plans and investments (programs/activities)

### **Core Values**

Integrity

Honesty

Transparent

Accountable



## **BIO-FRANCA CURRENT PROGRAMS/PROJECTS**

**BIO-DIGESTERS (A Bio-digester simply means a tank which digests organic material biologically. In this sense, the Filter Pod is a bio-digester. However, many people think of a bio-digester as a tank which digests, anaerobically, without air, organic material and produces methane gas for cooking, lighting and heating.)**



# SUSTAINABLE ENERGY SAVING ROCKET STOVES

- A rocket stove is an efficient and hot burning stove using small-diameter wood fuel
- The stoves are smokeless (reduction in diseases that affect women due to smoke)
- They use less firewood as opposed to the natural three stone.
- They cook faster 600 degrees as opposed to the three stones at 300degrees
- They use less fire wood attracting carbon credits from possible buyers of carbon credits
- Simple to construct and long lasting
- They are constructed with stones making it impossible for one to steal or temper with







*BIOFRANCA TRANS TECHNOLOGY LIMITED*

*Transforming Livelihoods, Safe Earth*

# GREEN ROAD/BUILDING CONSTRUCTION AND MAINTENANCE

## Our Services

- General green building works
- Masonry works
- Carpentry and Joinery works
- Supply of construction material-metal, wood and plastic products, brick and mortar





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## **TRAINING AND SENSITIZATION**

Occupational Safety and Healthy

Project Management

Climate Change and adaptation

Gender Mainstreaming

Renewable energy Technology





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**SOLAR ENERGY (WE HAVE DEVELOPED A COMPREHENSIVE STRATEGY IN PLACE THAT GIVES US CLEAR GUIDELINES ON VENTURING IN THE SOLAR SOLUTIONS SPHERE)**



# KEY ACCOMPLISHMENT FOR THE YEAR 2021

- Bio-Franca was among one of the 10 companies selected to represent Kenya in the Kenya South African Chamber of Business (KESACB) world exhibition in Pretoria, South Africa on November 2021. At the Exhibition, Bio-Franca was able to showcase its products that is Brick Rocket Stoves and Bio-digester facilities that in turn attracted potential partners from different countries.
- One of our Sustainable Energy Product being listed by the Ministry of Energy-Kenya as among the eligible technologies for consideration in the Kenya Off-grid Solar Access Program(KOSAP) <https://tinyurl.com/Eligible-Technologies>. (<https://www.kosap-fm.or.ke/the-kenya-off-grid-solar-access-project-kosap> ). Proposal application already submitted awaiting response.
- Currently a team of Bio-franca staff are representing the company in Kilifi in a competition aimed at selecting 3 best ideas for support in accelerator program 'HAZINA'
- Awarded tender to install clean cooking stoves in schools in Nairobi by a government Agency- Rural Electrification and Renewal Energy Corporation (REREC)
- Board meeting held at the Sagret Hotel on 17<sup>th</sup> of December 2021 with the aim of electing board members that will help run the company for the next three years. In the meeting, New Board officials were elected and are currently executing their mandate effectively.



# POTENTIAL PARTNERSHIPS AND WAY FORWARD

*Bio-Franca /E-moto partnership:* Bio-Franca and E-Moto has entered into a partnership that will see the two companies do business together. Bio-Franca installs a rocket stove that uses less firewood to cook and produce heat of about 600 degrees centigrade that cooks food much faster than the three stones jiko. On the other hand, E-Moto manufactures a canister that uses ethanol to cook, this canister can be integrated into the Bio-Franca rocket stoves such that if the owner of the stove doesn't have the firewood he can still use the canister to prepare his or her food without difficulties provided the fuel ethanol is available.

*Project development partnership between Bio-Franca and IBAKAS SOUTH AFRICA /Destiny Builder :* discussions are ongoing between the two companies to have a working relationship that will see the Bio-Franca and IBAKAS do business together with focus on solid waste management in the city of Kinshasa,DRC. IBAKAS will promote the sale and marketing of goods and services within the territory of Democratic Republic of Congo.

*Norwegian agency for exchange cooperation (NOREC):* This is a body that provide grants and also aims at empowering NOREC participants with the capacity to effectively address sustainable challenges that affect the small communities and restore their resilience to cope with pandemics such s climate change and COVID-19 in future calamities.Ultimately the participating institutions will enhance their relative capacity by providing and sharing the necessary support skills and knowledge that lacks in the respective institutions through experiential learning.

*On-going advanced partnership development with nOa climate UG(haftungsbeschränkt),* Limastr. 22, 14163, Berlin- Germany in the distribution of Sustainable energy technology solutions in Kenya

*Bio-Franca Partnership with Architects Without Borders/ [arkitekturudengraenser.dk](http://arkitekturudengraenser.dk).* The partnership is currently in the process of implementing a project 'Kampala Bio-center' in one of the densely populated regions within the city. The Bio-sanitation project is geared towards providing Sanitation, Health, waste management and sustainable energy solutions to the inhabitants of Kampala densely populated areas while at the same time creating employment and business opportunities.

Phyllis Wangwe  (LEGAL ADVISOR)	Advocate Arbitrator, Mediator, Pen Global Services
Fredrick Musoni FINANCE MANAGER	<p>Fredrick is an expert in accounting and business Management. He holds a CPA-2 and is currently pursuing CPA-K and B.com in finance Nairobi university.</p> <p>Currently Working as the Finance and admin at Laibon International. He has wide experience in Financial and organizational Management having previously worked for Safe rider Management Systems as an Accountant before then he worked with Mareba Enterprises Ltd as an Accountant He is result oriented, focused, ambitious, commendable Leadership skills, and a very hardworking individual.</p>
Michael Francis Mwimali Technical and Operations Director	<p>Mwimali has a diploma in construction from Kabete technical Training College. Having undergone intensive biogas Training and commercial stoves at Chepkoleil and Egerton university under PSDA/GTZ. Worked as a biogas technician at PSDA/GTZ for four years, worked for GTZ Ecosan- program for two years, Umande Trust an NGO in Kibera for 10 years as the technical service manager. Michael brings all the experience and expertise to this program as he is a hands-on manager</p>
Mr. John Wabwire Sustainability Specialist	<p>John Wabwire is a sustainability specialist with over 18 years' experience in the field of Sustainability, He has worked in various organizations among them as Regional facilitator for Africa-Sustainability Watch Network, National coordinator-Sustainable Environment Development Network Kenya, Programmes Manager- Kenya organization for Environmental Education, National Schools Projects Coordinator-Eco-schools Kenya Program, Projects Manager-SECODE,Umande Trust and Environmental Liaison Officer with the Journalist Environmental Association of Tanzania. He has extensive experience in Project management, having worked as Programs Manager at Kenya Organization for Environmental Education, among other managerial positions in other organizations. He has co-authored various ESD primary and secondary schools' supplementary books approved by Government besides his membership to various national committees including the Nairobi province environment committee-NEMA and participation in formulation of National ESD Policy strategy as amember of the National steering committee.</p>
Jacinta Atieno Liason Manager	<p>Ms. Jacinta Atieno is a Research, Gender and Project management Specialist with vast experience in project planning and management. She has worked in various development organizations in the country among them as a Project planning Officer with Plan International, CBO Coordinator-Techno serve, Training Research Program Officer-YIKE, Youth consultant-Kasarani Starehe Youth Development Network, Senior trainer in Various CBO's that involved CBO's management to mentor the CBOs training teams in order to improve the quality of their interventions. She has Supported CBOs with their strategic planning process and systems development, identify and start income generating opportunities and develop business plans and Management structures to fundraise and build the CBOs capacity in writing fundraising proposals</p>

# STAFF PROFILES

## **Lewis Ledama**

Projects Officer

Ledama has Bachelor of Environmental studies (Planning and Management) of Kenyatta University. He also has postgraduate diploma in Environmental Systems Management form Galilee College, Israel. He is registered with NEMA as EIA/EA expert.

He has extensive experience in project management and community mobilization having worked as a project manager with the Kenya Organization of Environmental Education for over 4 years for successful projects such the formulation of the Environmental education curriculum for primary and secondary schools in Kenya.

He has participated extensively in disaster management trainings in the Country.

## **Brian Eliaud**

Renewable energy Specialist

Brian is a renewable energy technologist having graduated from Jaramogi Odinga Odinga University of Science and Technology with bachelor degrees in Renewable Energy Technology and Management. Brian has a strong technical knowledge on renewable energy technologies. Worked as an intern at Strauss Energy Ltd for 3 months. Brian is an industrious and coachable person who can multi task and deliver results.

# IMPACT OF OUR BUSINESS

## Social impact

- The company works in line with SDG 1, 3, 7,8,10 and 13 i.e Reduced poverty, decent work and economic growth. Reduced inequalities, Ensure healthy lives and promote well-being for all at all ages.
- It has ensured access to affordable, reliable, sustainable and modern energy for all, and contributes towards actions to combat climate change and its impacts. So far the company has been able to directly reach about 6,000 people and 24,000 indirectly

## Environmental impact

- It has contributed towards reduction in depletion of forest eco-systems and degradation
- It has contributed towards reduced pollution levels and associated healthy risks
- Implemented Sustainable waste management projects across the country that leads to better livelihoods through improvement of aesthetics.

## Market systems development

- The business creates employment opportunities at all levels in communities by making sure resources are invested at the grassroots level where most of the vulnerable groups are based.
- It provides solutions that are sustainable and cost-effective by way of focusing on the most critical requirements (sustainable energy and health) at household level and the society at large thus creating demand for commodities that have not been traditionally embraced before.