

CURRICULUM VITAE



1. **Family name:** **MUSUNGU**
2. **First name:** WYCLIFFE
3. **Date of birth:** 15.05.1960
4. **Nationality:** KENYAN
5. **Civil status:** Married
6. **Education:**

Institution [Date from - Date to]	Degree(s) or Diploma(s) obtained:
Indian Institute of Technology Delhi, India 1997 - 1998	Certificate, Biomass conversion technology
Carl von Ossietzky University, Oldenburg, Germany, Aug 1991 – Nov 1992	MSc, Renewable Energy Technologies
Wuxi Institute of light Industries Wuxi, P.R. China. 1983 - 1987	BSc. Fermentation engineering

7. **Language skills:** Indicate competence on a scale of 1 to 5 (1 – excellent; 5 – basic)

Language	Reading	Speaking	Writing
English	1	1	1
Kiswahili	1	1	1
German	4	4	5
Chinese	3	3	3

8. **Membership of professional bodies:**

- **Association of Biogas Contractors, Kenya (ABC-K) Chairman**
- **Clean Cookstove Association of Kenya (CCAK) Member**

9. **Other skills: (e.g. Computer literacy, etc.) :** Computer literate, driving skills
10. **Present position:** Managing Director , REECON
11. **Years within the firm:** 14 yrs
12. **Key qualifications: (Relevant to the project)** MSc in Renewable Energies (RETs)
13. **Specific experience in the region:**

Country	Date from - Date to
Kenya	1993 – to date
Somaliland	2015 - 2016
Rwanda	2001- 2001
Tanzania	1999 - 2000

14. Professional experience

Date from - Date to	Location	Company	Position	Description
2008 – to date	Naiorbi, Kenya	Renewable Energy Engineering Contractors. (REECON)	Director	<p>Reecon is a private company involved in consultancy and actual implementation of renewable energy technologies with focus on biogas and solar installation. Reecon also offers industrial energy audits, management and conservation services to industries and institutions.</p> <p>My responsibilities includes:</p> <ul style="list-style-type: none"> • Over all company management, • Development of new business opportunities and identification of markets for services and products. • All technical developments for company projects • Provision of technical support to the clients during and after completion of the project.
2017	Bentiu, South Sudan	IOM	Consultant	Working as an IOM consultant in Bentiu training refugees in the camps on improved stove construction and use.
2015	Burao, Somaliland	AFCOTED/ ILO	Consultant	<p>Working as a consultant for ILO in Somaliland. Burao University. Biogas plant construction training theory and practicals.</p> <p>A total of 40 lectures and masons trained and three Biogas plants constructed.</p>
2014 - 2015	Kibera, Nairobi Kenya	Umande Trust and Niras	Consultant Engineer	Development, Design and construction of Biogas and Bio-slurry packaging process for Umande Trust.
2008 - Date	Nairobi Kenya	Kenya Bureau of Standards (KEBS)	Member Technical committee	Development and dissemination of Domestic Biogas plant standards. Presently Working on the standards for commercial Biogas plants.
2002- 2007	Nairobi, Kenya	GTZ/PSDA	Consultant	<p>Working with a German Company called Akut Patner to offer cosultancy services to GTZ/PSDA on waste and waste water treatment with value adding.</p> <p>Training of Contractors and Massons in the construction of Biogas Systems and waste water treatment Systems including RBF, SBR, and Activated waste water treatment Systems. Involved in the formation of the Association of Biogas Contractors.</p>

2001 – 2002	Nairobi, Kenya	UNDP - GEF – KAM Industrial Energy Efficiency Project	Senior Mechanical Engineer	<p>This project was basically initiated to support Industrial enterprises on their energy management . My responsibilities included:</p> <ul style="list-style-type: none"> • Undertake industrial Energy audits • Prepare bankable proposals to finance recommended energy efficiency measures • Advising, planning and implementing technical activities under participating industrial enterprises and financial institutions • Participate in evaluation and monitoring of systems installed in the field by enterprises in energy conservation and efficiency, • Preparing technical – implementation progress reports, • Assist in the development of energy network and standards and installation practices.
				AKUT Consultancy to GIZ PSDA
1997 - 1999	Nairobi, Kenya.	Kenya Industrial Research and Development Institute.	Head of Energy and Environment Division.	<p>Government of Kenya Industrial Research and Development Institute mandated to carry out industrial research for products and machinery.</p> <p>As Head of Energy and Environment Division, I was responsible for :</p> <ul style="list-style-type: none"> • Industrial energy audits and development of energy saving processes for industry. • Research and development of renewable energy technologies, appliances, energy conversion appliances and technologies i.e. Biogas from water hyacinths, biomass cook stoves with air pre-heat, institutional kerosene stove, solar dryer for fish preservation, solar cooker with storage, biomass gasifier and household size pyrolyser/briquetting for rural and urban communities. • Development of water hyacinth harvester and alternative uses of water hyacinth, solar dryer for Soya beans drying • Environmental impact assessments.

1991 - 1996	Nairobi, Kenya.	GTZ/Special Energy Programme.	Project Engineer/Section head.	<p>As a project engineer my responsibilities were:</p> <p>Development and support dissemination of renewable energy technologies specifically:</p> <ul style="list-style-type: none"> ➤ Solar thermal, ➤ Solar photovoltaic, ➤ Biogas digester plants, ➤ Biogas lamps and burner development, ➤ Wind and micro-hydro power, ➤ Energy saving stove and ➤ Energy efficient kiln development for liner production.
1988 - 1990	Nairobi, Kenya	Ministry of Energy.		<p>Responsibilities and accomplishments.</p> <ul style="list-style-type: none"> * Development of national energy plans, * Identification and dissemination of alternative energy technologies i.e. biogas, micro hydro, wind energy converters, solar thermal and solar PV improved kilns for stove liner production solar dryers, etc. * Development of industrial energy conservation in Kenya. * Member of the climate change activities coordinating committee and development of national position on climate change convention and mitigation strategies. 1997 –1999.

2007 -2008	Mombasa	Reecon		Production and marketing of coconut husk charcoal briquettes
1990	Pune, India	Ministry of Energy.		International Conference on the Implementation and Dissemination strategies of Biogas Technology. Pune, India. 1990
1989	IIT Delhi,	Ministry of Energy.		International training course on renewable energy for rural development. IIT - Delhi, India. 1989.

15. Other relevant information (e.g., publications)

Consultancy Services	Tasks
1999	World Bank - Sectoral study on the Dairy Industry in Kenya
1999	Jesuit Refugee Service – Evaluation of the Performance of Radio Kwizera, Ngara, Tanzania
1999 – 2001	GTZ consultant for development of a programme on energy conservation and environmental awareness in refugee-affected areas through schools in Kagera region, Tanzania
2002	<ul style="list-style-type: none"> • Development of pyrolytic incinerators for hospital waste disposal REECON
2004 – 2007	<ul style="list-style-type: none"> • Training and development of contracting firms in the construction of biogas plants, GTZ – PSDA.
2006	<ul style="list-style-type: none"> • Construction of two 71 cubic meters biogas plants for a Manyatta with 44 houses in Masai Mara, Governors camp hotels.
2007 – 2008	<ul style="list-style-type: none"> • Energy Audit and establishment of an energy efficiency improvement system in Marangu Hospital, Tanzania.
2008 – 2009	<ul style="list-style-type: none"> • Energy Audit and establishment of an energy efficiency improvement system in University of Eastern Africa, Baraton, Kenya.
2008-2009	

2008 – 2012	<ul style="list-style-type: none"> • Project manager, Value chain analysis/ mapping and country profile. Catalyzing markets for Modern lighting with focus on LEDs, Lighting Africa project – Kenya, IFC/World Bank. • Construction of Rocket stoves, improved firewood bread baking ovens, institutional Rocket stoves and installation of solar ovens and construction of household biogas plants in Mombasa for Carbon offset companies (VERs). CO2balance, CNG, Climate care. • Development of a strategic plan for rural area stoves marketing in Rural Rwanda, Practical Action. • Construction of two, 124 M3 Biogas plants for Prisons, Kisii and Homabay. Prisoners care Project (PCP)
2008-Date	<ul style="list-style-type: none"> • Member of Biogas technical committee on Biogas standards Development
2015	<ul style="list-style-type: none"> • Biogas construction training in Burao University, Somaliland.

Reference:

1. Hannah Wanjiru, +254 723713213, wanjiru.hannah@gmail.com
2. Mathews Chirasia. AFCOTED. Telephone : 254 711914045 E-mail : chirasham@gmail.com
3. Lydia Owenga, +254 727 966772 : e-mail : lyowenga@yahoo.com.