

PROFESSIONAL PROFILE

Family Name: Amadi

Place of Residence: Nairobi, Kenya

First Name: Andrew

Nationality: Kenyan

Education:

Moscow State Academy of Fine Chemical
Technology, Mosco, Russia, 1997
June 2010

Bachelor of Science Degree in
Engineering
(Chemical Technology)
Certified Energy Manager

Languages: English (proficient), Swahili (capable), Russian (proficient)

Membership of Professional Bodies:

Assoc. of Energy

Kenya Renewable Energy

International Geothermal

Professionals Eastern Africa

Assoc.

Assoc.

Engineers Board of Kenya

Assoc. of Biogas Contractors

Kenya Green Building Society

Assoc. of Energy Engineers

Geothermal Assoc. of Kenya

Practitioners Network –

SE4All

Professional Experience in the African Region:

Kenya, Lesotho, Zambia, Mozambique, Botswana, Mauritius, and Rwanda

May 2021 – Present	Chief Executive Officer	KENYA RENEWABLE ENERGY ASSOCIATION. <ul style="list-style-type: none">Successfully lobbied for reinstatement of VAT Exemption for renewable energy technologies in KenyaSet up the Kenya E- mobility working group to implement the roadmap to e mobility for KenyaCarried out joint study on the situational analysis of productive use of solar energy technologies and set up the Productive Use of Renewable Energy (PURE) working group to scale up the productive use of all renewable energy technologies in KenyaInitiated project to finance the installation of daytime solar for small and medium enterprises operating during the day through aggregation of over 4,000 businesses in a potential 200 MW projectPartnered in developing EPC guidelines for solar projects in AfricaCreated an internship and attachment platform to link students and professionals in renewable energy with research and internship opportunities in renewable energy companiesDevelop the KREA renewable energy price index that compares all types of energy using the levelized cost of energy and the same units
July 2016 – Present	Technical Director	WECOL Ltd. <ul style="list-style-type: none">Set up a waste to energy plant which recycles agricultural and municipal waste into energy and materials. Developing sustainable and scalable biomass solutions for heat and electricity generation.
May 2018 – June 2021	Project Advisor	2030 Water Resources Group (Hosted by World Bank) <ul style="list-style-type: none">Providing Technical and Strategic Support to the 2030 Water Resources Group on Managing industrial effluent waste and promoting Industrial Water Efficiency Programs for Kenya.Participated in developing a concept note to include circular economy principles in waste water management in Kenya.
Apr 2018 –	Technical Expert & Project Management	Human Needs Project (Rockefeller Foundation)
ANDREW O. AMADI		
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February 2020	<ul style="list-style-type: none"> Provided guidance in installation of solar powered street lights to provide security and enable businesses to operate at night as part of improving livelihoods in the informal settlements in Kibra. 	
Nov 2017 - Present	Lead Local Consultant LDKAfrica/UNHABITAT <ul style="list-style-type: none"> Part of a consortium to close-down the dumpsite in Ngong and set up a full recycling facility to handle solid waste generated in the surrounding area. 	
Oct 2017 - Dec 2018	Energy Expert <ul style="list-style-type: none"> Participated as energy expert in carrying out a nationwide study of the Gender Energy Profile of Rwanda. Reviewing current energy systems from a gender perspective and making recommendations towards achieving access to energy goals as well as gender targets for the country 	Inka Consulting Associates
Oct 2016 - October 2017	Energy Efficiency Consultant <ul style="list-style-type: none"> Carried out a comparative analysis of the price points at which LPG will be a cheaper fuel option relative to Wood fuel, briquettes, diesel, Industrial diesel oil, Fuel oil and grid electricity for commercial and domestic use. 	Proto Energy Ltd. (Pro Gas)
Feb 2017 - Present	Energy Expert <ul style="list-style-type: none"> Reviewing technical aspects of energy proposals seeking financing. Providing advice on opportunities for investment in Renewable energy in East Africa. Establishing the viability of accessing Carbon financing for projects with CO2 emission reductions. 	Frederick Fyle Associates
July 2017 - Present	Partner <ul style="list-style-type: none"> Application of distributed computing systems and smart contracts in ensuring water and clean energy supply for food production in arid and semi-arid areas. Set up protocols for establishing and verifying carbon emission reductions and water savings using the blockchain platform. 	FreeWork- Kazini Platform
Oct 2017 - Jan 2019	Energy Consultant <ul style="list-style-type: none"> Designed and optimized a solar solution with battery storage to be able to fully provide affordable electricity using solar power for two Maternal and New Born units in Turkana County. 	Centre for Public Health and Development
April 2016 - Present	Energy Consultant <ul style="list-style-type: none"> Proposed grid tied power generation from agricultural waste at the Kibwezi plant. Provided support to getting a generation permit. Established the Carbon emission reductions for the project. 	Rea Vipingo
May 2016 - November 2018	Technical Expert <ul style="list-style-type: none"> Member of the energy efficiency work stream developed a matrix of energy efficiency in all interfaces connected to energy security, energy access and renewable energy. Made policy recommendations for adoption by the High level meeting of the AU EU energy Partnership 	Africa Union European Union Energy Program
January 2014 - June 2016	Energy Consultant (Contract) <ul style="list-style-type: none"> Developed a working model for energy as a service to combine energy data with energy management for commercial and Industrial users 	EED Advisory Services
April 2010 - Nov 2013	Technical Director <ul style="list-style-type: none"> Co-founded Polymer Energy Co Ltd. A company that is dedicated to recycling waste tyres, plastics and organics into energy using pyrolysis technology. 	Polymer Energy Company (EPZ) Ltd.
Nov 2011 - Dec 2011	Energy Efficiency Consultant (Contract) <ul style="list-style-type: none"> Wrote a manual for energy management of appliances and systems typically used in hotels, showing hotel owners and managers how to best save energy and reduce costs while providing hospitality services. 	Assoc. of Hotel & Restaurant Owners in Mauritius
2007 - 2016	Lead Energy Auditor & Local Consultant <ul style="list-style-type: none"> Conducted Energy Audits in manufacturing entities across Kenya and the African region. Identified opportunities for energy efficiency and use of renewable energy, established the potential energy, financial and 	Multiple Organisations

carbon emissions reductions from the measures. Developed measurement and verification protocols for each of the recommended measures

- Syrecon Services Ltd.
- Econoler Inc.
- EED Advisory Services
- Vestas Inc. and Self Help Africa
- CAMCO Advisory Services (Kenya) Ltd.
- Frankfurt School of Management
- BCECOM-Egis and ECM Centre Ltd.
- United Nations Environment Programme,
- The Centre for Development of Enterprise (EU)
- Kenya Assoc. of Manufacturers
- Centre for Energy Efficiency and Conservation
- Renewable Energy Ventures
- Integrated Energy Solutions, Ltd...
- East Africa Portland Cement Co.,

2001- 2004	<i>Independent Entrepreneur</i>	Spectre International Ltd
	<ul style="list-style-type: none"> ● Developed a business plan to increase the sales of LPG by installing LPG dispensers in low income neighbourhoods that allow residents to buy LPG for smaller amounts of money rather than buying full cylinders. Established the cost savings to the end users relative to charcoal and kerosene. 	
2000-2001	<i>Technical Consultant</i>	Petroleum institute of East Africa
	<ul style="list-style-type: none"> ● Provided support to the Technical committees working on the development of technical standards for safety of LPG installations, Cylinders and appliances as well as environmental standards for petroleum service stations 	
1997-2000	<i>Refinery Technologist</i>	Kenya Petroleum Refineries Ltd.
	<ul style="list-style-type: none"> ● Carried out a full review of the platinum reforming furnaces and process and identified practical no cost options for reducing the energy costs associated. 	