

The Adaptation SME Accelerator Program (ASAP): Africa Focused Adaptation SME Market Study

Market Study Report and Selected Findings | September 2023

Adaptation SME Accelerator Project (2020 – 2023) – www.climateasap.org

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KEY FINDINGS

There are significant number of SMEs in Africa that are developing and offering solutions to customers to help identify, assess, and address impacts and risks due to climate change. These solutions can be applied in new geographies to address similar challenges.

- Using the Harmonized Framework for Identifying Adaptation-related companies, a sizeable and Diverse Universe of Adaptation SMEs exist in Africa. 160 Adaptation Solutions SMEs across 37 Countries were identified by the ASAP project over the last 3 years. These businesses operate across sectors and represent a diversity of business models, with companies providing products and services that help with climate impacts in Agriculture; Water Supply, Sewerage, Waste Management and Remediation; and Electricity, Gas, Steam & Air Conditioning Supply; and other areas.
- Technology Deployment with additional services. A large proportion of companies in these sectors utilize aspects of their technologies to provide climate risk analysis, consulting, and advisory products, localized and specific information & communication to end users and utilizing climate finance products to encourage deployment to previously underserved and vulnerable communities.
- Alignment with National Determined Contributions and National Adaptation Plans. The large proportion of companies in these sectors aligns with the on-the-ground impacts identified in the latest IPCC 2022 Working Group 2 report on climate change impacts, adaptation and vulnerabilities and many of the region's National Determined Contributions ("NDCs"). Technologies including agriculture analytics and support platforms, parametric insurance, risk analytics and decision support tools, cold chain supply chains, weather analytics, cooling solutions, clean water technologies and professional services, address key climate risks in the region including vulnerable food supply, health challenges from heat & vector borne illnesses, water stress, and natural disasters. Growth of these solutions will be needed to match the scale of the impacts of climate change in the region.
- Geographic distribution, but clustered around innovation hot zones. While SMEs were identified in 37 countries, the innovations were clustered by region, with innovations being centered and deployed in (a) West Africa Nigeria (33) and Ghana (23); (b) East Africa Kenya (52), Tanzania (21), Uganda (16), Rwanda (13); and (c) Southern Africa South Africa (31), Mozambique (10), Zimbabwe (9). Anecdotally, companies had expansion plans within their respective regions, and some had plans to expand across Africa or enter other global regions.
- There is a Strong Opportunity to Accelerate and Invest in Adaptation SMEs in Africa. Companies that ASAP engaged with were actively seeking technical assistance or investment funds in order to demonstrate a new product and/or service or to scale it after a successful pilot demonstration. ASAP activities including the Accelerator program and other convenings, workshops, and meetings with stakeholders demonstrates that investors are looking for opportunities in this space and many of the SMEs identified in the ASAP database could present opportunities for both private and public sector investment to have impact in the region.
- **Key Sectors for investment in the region.** Agriculture and resilient food systems; climate risk and weather analytics; finance (including access to capital and insurance products), water (irrigation, water harvesting, smart water management); distributed and demand response energy systems; health care monitoring and care; and disaster recovery.
- Women leading adaptation SMEs. Women were found to have an active role in either owning, founding, and/or leading climate adaptation SMEs with at least 44% of the companies in the database reporting information. An additional 51% of companies either did not report data or did not have it readily available for assessment. Considering that the ASAP Accelerator program had 75% of its Africa cohort with women either owning, founding, or leading the companies, there is a good likelihood that the number of women leading adaptation efforts in Africa in over half of the SMEs or more.

INTRODUCTION

The Adaptation SME Accelerator Program (ASAP) seeks to mobilize and empower SMEs in developing countries to address climate resilience and adaptation through a three-pronged strategy, comprised of the following:

- ➤ Component 1: Identification (Map Companies and Markets) mapping resilience companies and markets; building the taxonomy of climate resilience and adaptation technologies, products, and services; creating and maintaining a database of Adaptation SMEs; publishing sample investment case studies/company profiles.
- Component 2: Integration (Organize Regional Adaptation SME Networks) developing a network of Adaptation SMEs and related stakeholders through convenings and an up-to-date Adaptation SME database.
- Component 3: Incubation & Acceleration (Launch Adaptation SME Accelerator Programs) incorporating a "toolkit" for identifying and supporting Adaptation SMEs in and into existing incubator and accelerator programs; launching the first cohort(s) of Adaptation SMEs in developing countries through these incubator and accelerator programs.

This Market study represents the Africa regional portion of *Component 1 (Identification)* with the following objectives:

- ➤ Applying the principles of the Adaptation Taxonomy to better understand the main sectors and prospects for investment in Adaptation SMEs in the region.
- ➤ Mapping of 160 SMEs and counting which are offering adaptation and climate resilience solutions to customers in the region.

Through these objectives, this study hopes to achieve the following longer-term impacts:

- Improve the standards and framework for identifying and categorizing the adaptation-focused technologies, products, and solutions, which will help to increase the awareness of SMEs involved in activities which fit into the Adaptation Taxonomy;
- Increase the number of investable climate resilience and adaptation-focused businesses in the region by including mapped Adaptation SMEs in the public database and by specifically highlighting opportunities for investment and/or technical assistance; and
- Enhance the ecosystem of adaptation-focused SMEs and other public and private stakeholders in the region to spur critical investment in climate adaptation and resilience, thereby helping to bridge the gap in financing towards adaptation.

<u>ASAP</u> is led by the <u>Lightsmith Group</u> with funding from the <u>Global Environment Facility's</u> <u>Special Climate Change Fund</u> and the <u>Inter-America Development Bank</u>. ASAP is facilitated by Conservation International.

STUDY SCOPE, OBJECTIVES, AND OUTCOMES - SELECTED FINDINGS

This market study was structured around two deliverables: (a) surveying existing studies highlighting the specific climate impacts and challenges facing the region (b) applying the ASAP Adaptation Taxonomy to identify SMEs involved in adaptation and climate resilience solutions throughout Africa.

For the purposes of this summary report, the terms *climate adaptation* and *climate resilience* are used interchangeably, though readers should be aware that there is technical distinction between the two. The full peer-reviewed Adaptation Taxonomy (Attachment A) further details the distinction between these terms.

Adaptation Taxonomy

A peer-reviewed harmonized taxonomy has been developed to establish a set of transparent principles for determining whether an SME qualifies as an "Adaptation SME" based on the type(s) of technologies, products, and/or services that it provides. Given the existing universe of definitions, standards, methodologies, and frameworks in existence or under development related to climate finance and sustainable activities, the Adaptation Taxonomy was developed by building upon, and with reference to, the following existing definitions, taxonomies, and approaches:

- ➤ Intergovernmental Panel on Climate Change ("IPCC")
- > EU Taxonomy for Sustainable activities
- Task Force on Climate-related Financial Disclosures ("TCFD")
- ➤ Climate Bonds Initiatives ("CBI")'s Climate Resilience Principles
- > Joint MDB methodology for tracking climate change adaptation finance
- ➤ Joint MDB IDFC Framework for Climate Resilience Metrics
- Market Research for a Climate Services Observatory ("MARCO") project
- ➤ European Market for Climate Services ("EU-MACS") project

The Adaptation Taxonomy has been designed to be *flexible* and *dynamic*, as adaptation and resilience needs (and the solutions that can address those needs) will evolve and change over time. The Taxonomy is also structured to be *inclusive*, since there are many companies that may not self-identify as a climate adaptation-related company, but that do have technologies, products, and services that can help to build climate resilience. In addition, given the highly context-specific nature of climate adaptation, the Adaptation Taxonomy does not provide a stand-alone list of technologies, products, and services that could be narrowly viewed as contributing to adaptation. Rather, it seeks to offer a framework to identify "Adaptation SMEs" based on whether the technologies, products, and services they provide enable the **identification**, **assessment**, **management**, and/or **monitoring** of physical climate risks and their impact(s). Four main elements comprise the Taxonomy, namely: (i) a definition of "Adaptation SME", (ii) eligibility criteria, (iii) a segmentation of "Adaptation SMEs", and (iv) a results framework to measure, monitor, and report adaptation-related outcomes. The results framework will be further developed in the subsequent phases of the broader ASAP initiative.

The Adaptation Taxonomy establishes a working definition of an "Adaptation SME" as follows:

An Adaptation SME is a company providing technologies, products and services that:

Contribute to prevent or reduce material physical climate risk or the adverse associated impacts on assets, economic activities, people or nature

Address systemic barriers to adaptation by strengthening users' ability to understand and respond to physical climate risks and impacts and/or capture related opportunities

Figure 1: A working definition for an "adaptation SME"

It also provides a set of eligibility criteria for an SME to qualify as an "Adaptation SME", outlined as follows:

In order to qualify as an **Adaptation SME**, an SME's technology, product, or service must satisfy the following criteria:

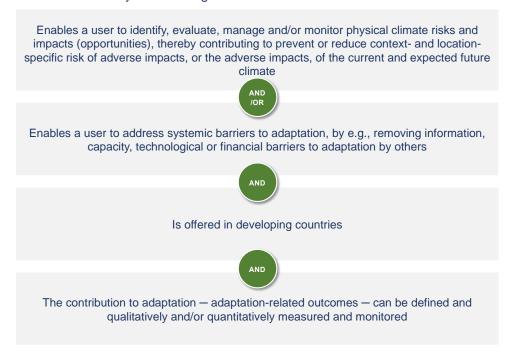


Figure 2: "Adaptation SME" eligibility criteria

Over time, the Taxonomy may evolve to include/exclude specific technologies, products, and services, but the Adaptation Taxonomy provides a key starting place for future refinements. Ultimately, the harmonized Adaptation Taxonomy can, and should be used by both public and private stakeholders to identify, engage, increase the awareness of, and most importantly, scale SMEs in developing countries involved in climate adaptation and resilience.

The full Adaptation Solutions Taxonomy can be found at https://lightsmithgp.com/wp-content/uploads/2020/09/asap-adaptation-solutions-taxonomy_july-28-2020_final.pdf

THE STATE OF CLIMATE IMPACTS IN AFRICA

Africa has already begun to be impacted by Climate Change and the IPCC expect for future impacts to be substantial (IPCC 2023). Even with a successful global effort to limit warming to 2°C, adaptation solutions will be required to mitigate the growing number of environmental and social risks & impacts due to climate change. As noted in recent reporting, these impacts are already having devastating consequences on vital industries such as food and health, are impacting the amount and quality of water available to communities, and the growing uncertainty of hazardous weather impacts the ability for communities and businesses to continue to normally operate.

The IMF estimates that Sub-Saharan Africa has already lost an average of \$520 million annually due to climate change since 2000 (IMF 2020). Impacted by both long term trends and extreme weather events, the world's fastest-growing population region will only continue to face unique challenges exacerbated by climate with increasing temperatures, sea levels, changing precipitation and other extreme weather threatening livelihoods, human health and safety, food and water security and socio-economic development (UNFCC, 2020). Further compounding this impact, 36% of the African population lives in extreme poverty (Hendrik, 2021) which makes them more vulnerable to climate disruptions than in other parts of the world.

The costs for countries to adapt to climate change continue to rise, with current estimated needed investment between \$30-50 billion USD annually for climate adaptation and resilience solutions to counter the rising impacts in Africa (IMF 2023). These solutions are needed across many sectors including agriculture, water, infrastructure, health, and others to combat both long term and short-term challenges arising from climate change.

According to the IPCC latest Synthesis Report on Climate Change in 2023 Africa is projected to face both long term and short-term climactic risks which require adaptation solutions to scale and address.

Long term challenges arise from the slow and systemic increase in GHG causing shifts in precipitation and temperature patterns that also drive changes in land use and species migration, threats to human health, food security, water security and reduced economic output, exacerbating the already existing poverty rates. Agriculture which makes up 15% of the continent's GDP, ranging from 3% in Botswana to more than 50% in Chad (OECD/FAO 2016) is particularly vulnerable to long term challenges of continually rising temperatures and increasing water stress, as rainfall patterns change, and water obtained by glacier melt

SNAPSHOT OF ECONOMIC IMPACT OF CLIMATE CHANGE IN AFRICA

The IMF estimates that Sub-Saharan Africa has already had **\$520 million in economic loss** annually due to climate change since 2000.

Costs for countries in Africa to adapt to climate change are estimated to reach \$50 billion per year by 2050, roughly 1.6% of current GDP (IMF 2023)

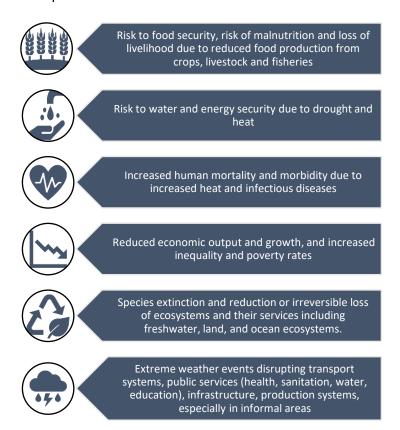
According to *The State of the Climate in Africa 2020*, climate change could decrease GDP by 3% in Sub-Saharan Africa by 2050.

declines. Stressed water resources also pose challenges to human consumption and hygiene, and industrial applications, impacting economic growth. Human health is at risk due to increased heat, as seen globally in the Summer of 2023, and to the rise in infectious diseases due to climate change.

Extreme weather events – drought, fire, and storms will likely continue to increase in impact to human lives and economic loss. Over the last 50 years, its estimated that 1695 natural disasters including floods, droughts, and storms, caused the loss of 731,747 lives and \$38.5 billion USD in economic loss in Africa (World Meteorological Organization 2021). One storm, Cyclone Idai in 2019 caused \$3.2 billion in economic damages and required \$242 million in international aid to rebuild (Post-Cyclone Idai Cabinet for Reconstruction 2019). These extreme weather events combined with longer term stressors likely will force rural to urban migration, leading to increased urban poverty at further risk to flooding and extreme heat waves. Solutions will be required to allow for communities to develop resilient infrastructure and public services to overcome both extreme weather events and the long-term challenges of climate change.

KEY REGIONAL RISKS FOR ADAPTATION IN AFRICA

According to the latest IPCC 2023 Synthesis Report on Climate Change, key risks in Africa which will require adaptation solutions include:



IPCC, 2023: Climate Change 2023: Synthesis Report. Contribution of Working Groups I, II and III to the Sixth Assessment Report of the Intergovernmental Panel on Climate Change [Core Writing Team, H. Lee and J. Romero (eds.)]. IPCC, Geneva, Switzerland, 184 pp., doi: 10.59327/IPCC/AR6-9789291691647.

MAPPING ADAPTATION SMES - ANALYSIS AND BREAKDOWN

Through a combination of desk research and targeted outreach to networks and key regional partners, the Africa Climate Adaptation SME study used the Adaptation Solutions Taxonomy to screen and identify 160 Adaptation SMEs from 37 Countries in Africa. Innovation clusters were found centered around the countries with bigger populations and stronger economies in (a) West Africa – Nigeria (33) & Ghana (23); (b) East Africa – Kenya (52), Tanzania (21), Uganda (16), and Rwanda (13); and (c) Southern Africa – South Africa (31), Mozambique (10), & Zimbabwe (9), as seen in Figure 3. Many companies either currently or aspire to offer services at least regionally, if not throughout the continent.

Adaptation SME Accelerator Project - Africa SME Market Mapping

Africa market mapping of Small and Medium Enterprises providing climate adaptation and resilience solutions to customers.



Map: Brian Parham • Source: daptation SME Accelerator Project (ASAP) • Created with Datawrapper

 $Figure~3-Climate~Adaptation~SMEs~Geographic~deployment~in~Africa.~Dynamic~figure~can~be~found~at~\underline{https://datawrapper.dwcdn.net/0Xf2d/1/}$

Of the 160 African SMEs identified in the Africa Study which have products, technologies, and solutions that can help to build resilience to risks increased by climate change over 51% had direct applications in Agriculture (Figure 4). Water supply, wastewater and other waste management solutions were provided by 17% of SMEs. Many of the climate adaptation solutions found provided products or services impacting or related to multiple sectors — with complementary results. These could include water efficiency or treatment solutions that bolstered irrigation for farmers; software solutions that provided climate analytics and localized the information for ease of application by smallholder farmers or other users less familiar on the latest of climate science. Financial products often helped to either mitigate climate risks or

to provide better access for customers that traditionally have trouble affording the cost to access climate adaptation technologies. The full list of the 160 Africa Adaptation SMEs identified by the ASAP project can be found in Attachment A to this report.

Climate Adaptation Solutions Identified by Sector Survey of of small and medium enterprises providing climate adaptation and resilience solutions to customers in Africa. Percentage of solutions being provided to each sector. Agriculture, Forestry & Fishing Water Supply, Sewarage, Waste Management and Remediation Activities Electricity, Gas, Steam & Air Conditioning Supply Information and Communications Consulting/Professional, Scientific and Technical Transport, Storage, Supply Chain **Finance and Insurance Activities** Climate Risk Analytics, Mitigation and Management Health Infrastructure 1.85 Weather 1.85 **Real Estate** 1.23 **Public Administration and Defense** 0.62 Mining and Quarrying 0 Construction 0 Disaster Response 0

 $Figure~4-Sectoral~breakdown~of~climate~adaptation~solutions~and~services~being~deployed~in~Africa.~Dynamic~figure~can~be~found~at~\underline{https://datawrapper.dwcdn.net/4om33/3/}$

Chart: Brian Parham • Source: Adaptation SME Accelerator Project (ASAP) • Created with Datawrapper

Example companies and technologies identified in the ClimateASAP database which address "Key Regional Risks for Adaptation in Africa"



Risk to food security, risk of malnutrition and loss of livelihood due to reduced food production from crops, livestock and fisheries

Solutions identified include analytics and support platforms, precision agriculture and crop monitoring, financial products and parametric insurance, and low cost, energy efficient irrigation products. Example companies include:

agreclimatica

<u>Agroclimatica</u> – Agroclimatica is a risk assessment platform built for climatesmart agriculture. Enables customers to build resilience through better understanding climate risks and responding to those risks.



<u>BovControl</u> - Bovcontrol is a data collection and analysis tool to improve performance on meat, milk, and genetics production. Builds resilience by facilitating the better management of livestock herds through efficient resource production.



<u>Kitovu Technology Company</u> – Kitovu Technology Company provides smallholder farmers with data about soil and crop health, storage and market links, through a digital farm productivity platform. Builds resilience to drought, heat stress, and extreme weather events that reduce crop yields and harm farmer incomes.



<u>Pula Advisors</u> - Pula is radically restructuring agricultural insurance, using technology to help insure the previously unbanked, uninsured and untapped market of smallholder farmers. Builds resilience to weather volatility by providing crop and livestock insurance to farmers, allowing them to hedge against potential climate impacts.



<u>Sun Culture</u> - SunCulture provides low-cost, solar-powered irrigation to African farmers, increasing yields by more than 300 percent. Builds resilience to weather volatility and promotes efficient irrigation for crops.



ZR3I – ZR3I is a precision agriculture platform-as-a-service that offers crop monitoring, management, and insurance services to the agriculture sector in Egypt and the Arab world, helping farmers to mitigate risks due to climate change. Builds resilience to extreme weather events and weather volatility that reduce crop yields and harm farmer incomes.



Species extinction and reduction or irreversible loss of ecosystems and their services including freshwater, land, and ocean ecosystems.

Few companies were found that directly addressed this risk as a part of their core business plan.



<u>Water Rhapsody</u> - All the work carried out by Water Rhapsody is an attempt to reduce demand for and reliance on municipal water, which almost ran

completely dry in 2018. Such work means that riverine environments around the world will regain their biospheres (the maximum number of eco-systems) leading to healthy sea life, estuarine life and riverine ecology.



Risk to water and energy security due to drought and heat

Solutions identified include waste water treatment, solar irrigation pumps, water filtration, heat transfer equipment, smart water leak detection software, off-grid water purification, and biodegradable toilets. Example companies include:



<u>Abrimix</u> – Abrimix markets a unique patented technology that has been thoroughly researched and developed to provide respective clients with an affordable, efficient and cost effective water treatment process.



<u>Biopipe Global</u> - Biopipe Global has developed a patented 100% sludge-free, chemical-free, odor-free, silent, easy to assemble and install, scalable, low cost, ecological and virtually maintenance-free onsite sewage wastewater treatment system.



<u>Future Pump Limited</u> - Futurepump is a company headquartered in Kenya which develops solar powered irrigation pumps. These pumps run on renewable energy, designed for 1-2 acre farms, and are highly efficient and portable. The company aims to provide solutions for future precipitation changes due to climate change.



<u>Greenchain Group</u> – Greenchain Group specializes in the design and installation of water filtration and purification units suitable for rainwater filtration and groundwater filtration for residential, industrial, and commercial use.



Heat Exchange Products - The company designs, manufactures and installs a wide range of water treatment, water purification, and heat transfer equipment and solutions through specialized non-commoditized chemicals in order to provide reliable, efficient, cost-effective, and long-term technological ideas and solutions to its customers in the municipal, industrial, agricultural/fishing and mining sectors of Namibia.



<u>HydroIQ</u> - HydroIQ is an Africa-based technology company that has developed a smart water leak detection system that can help to manage, monitor, and understand household water usage.



<u>Peepoople</u> - Peepoo is a personal, single-use, self-sanitizing, fully biodegradable toilet that prevents feces from contaminating the immediate area as well as the surrounding ecosystem. After use, Peepoo turns into valuable fertilizer that can improve livelihoods and increase food security.



OffGridBox™ OffGrid Box — OffGrid Box develops and installs water purification systems and renewable energy technology in remote areas in Africa.



Increased human mortality and morbidity due to increased heat and infectious diseases

Solutions identified include air quality monitoring and sharing platforms, off-grid refrigeration products for medicine and food, environmentally friendly cooling & heating solutions, and digitized pharmaceutical supply chain systems. Example companies include:



AirQo – AirQo was founded to close the gaps in air quality data in Uganda and across Sub-Saharan Africa. We continuously provide evidence of the magnitude and scale of air pollution by developing and deploying a network of low-cost air quality monitoring devices. By applying artificial intelligence, we derive insights from the data collected and share in real-time through our data sharing platforms. Services are provided in Burundi, Cameroon, Ghana, Kenya, Nigeria, Mozambique, Senegal and Uganda. Builds resilience through providing customers with air quality data to adapt their daily behaviors in response.



Gas Chill - Gas Chill is an Egyptian company that provides inventive world class cooling & heating solutions using the latest groundbreaking Japanese & European technology. Gas Chill's core objective is to provide the most revolutionary, environmentally friendly energy supply techniques, not only in Egypt, but the MENA region. Builds resilience by enabling customers to efficiently respond to heat conditions.



Field Intelligence - Field Intelligence has developed a SaaS-based pharmaceutical supply-chain platform to make healthcare radically simple, affordable, and effective. By digitizing and optimizing large-scale pharmaceutical supply chains, the company's solution increases the resilience and dynamism of pharma supply chains.



Sure Chill – Refrigeration technology which does not need constant power to keep medical supplies or food cold. Builds resilience for off grid health clinics and residents who can ensure that critical medicine and food stay at the proper temperatures without the need for energy from consistent electrical sources.



Extreme weather events disrupting transport systems, public services (health, sanitation, water, education), infrastructure, production systems, especially in informal areas

Solutions identified include risk analytics and communication tools, weather tracking and analytics, cold chain storage for supply chains particularly for food and medicine, and logistic software solutions. Example companies include:



<u>AfricaWeather</u> - AfricaWeather is a weather company based in South Africa offering value-added weather solutions to a range of clients across aviation, mining through transport and others. The product enables customers to better understand and respond to hazardous weather events.

agreclimatica

<u>Agroclimatica</u> – Agroclimatica is a risk assessment platform built for climate-smart agriculture. The product enables customers to better assess risk and respond to climatic events.



<u>Coldhubs</u> - ColdHubs, is a "plug and play" modular, solar-powered walk-in cold room, for 24/7 off-grid storage and preservation of perishable foods. The product enables customers, particularly those off-grid to keep perishable food for longer, building the resilience of the food supply chain.



<u>Freezelink</u> – Freezelink delivers cold chain logistics services to reduce food waste and enhance food security and to increase the availability of medicine in Africa. Builds resilience to extreme heat and extreme weather events that reduce crop yields, worsen food waste, and increase food insecurity. The



<u>Kobo360</u> - Provider of an online digital logistics platform intended to connect truck drivers to freight companies easily. The company's platform offers a vehicle financing program through which drivers can finance new trucks through citizen investors and pay them back directly over a 60 month period, enabling clients to receive freight trips and logistics related assistance. Enables supply chain resilience through efficiency.



Ignitia - Ignitia has developed a unique algorithm that produces GPS-specific weather forecasts for the tropics that are twice as accurate as existing global models. The algorithm takes into account the convective processes that dictate a majority of tropical weather events (that global models are not calibrated for) to produce highly accurate 2-day rain forecasts, and also offer monthly and seasonal predictions, enabling customers to better understand and respond to current weather conditions.



<u>Worldtech Consult</u> – Worldtech Consult designs, manufactures and installs solar powered walk-in cold rooms to extend the shelf life of agricultural products and temperature-sensitive materials, enhancing food system resilience and minimizing losses. Builds resilience to extreme heat and extreme weather events that reduce crop yields, worsen food waste, and increase food insecurity.

Country Profiles

Country specific deployment varied widely (Figure 5), and likely represents that the market mapping exercise could continue to identify innovations being developed in countries that had fewer SMEs identified through this market mapping exercise. It is also likely that existing SMEs in the database have expanded the regional scale of the deployment of their technologies and services, which have not entirely been captured to date.

Adaptation SME Country Sector Profiles - Africa

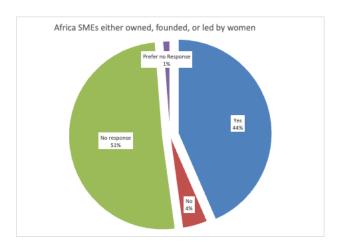


Chart: Brian Parham • Source: Adaptation SME Accelerator Project (ASAP) • Created with Datawrapper

 $Figure 5-SME's \ deploying \ climate \ adaptation \ solutions \ and \ services \ by \ sector \ by \ country \ in \ Africa. \ Dynamic \ figure \ can \ be \ accessed: \\ \underline{https://datawrapper.dwcdn.net/r8TDg/1/}$

Gender and Climate Adaptation & Resilience SMEs

Women were found to have an active role in either owning, founding, and/or leading climate adaptation SMEs with at least 44% of the companies in the database reporting information. An additional 51% of companies either did not report data or did not have it readily available for assessment. Considering that the ASAP Accelerator program had 75% of its Africa cohort with women either owning, founding, or leading the companies, there is a good likelihood that the number of women leading adaptation efforts in Africa in over half of the SMEs or more.



CONCLUSION

The ASAP market survey provides a snapshot into the developing innovation space in Africa for climate adaptation solutions. During the project, several other accelerator and investment initiatives are being developed, some utilizing the Climate Adaptation Taxonomy as a foundation to further identify and support technological solutions with the aim to scale and grow to provide more services to a wider base of customers facing increasingly drastic consequences of climate change. Continued work to identify new companies and engage with those existing in the database will be required to monitor the dynamic situation where entrepreneurs are creating new applications and expanding the use case of their technologies, solutions, and services to new sectors, and new markets. With both rising populations and the rising impacts of climate change to critical sectors including agriculture, water supply, infrastructure, health, and public administration, there will be continued need for solutions combining analytics, professional and technical expertise, and the ability to communicate the implications of changing climate to customers and businesses throughout Africa. This study demonstrates that entrepreneurs and innovators are building the solutions that are currently and projected to be needed at scale in the coming decades to help address the climate vulnerabilities in the region. It should serve as a foundation to build upon and as a call to action for accelerators, investors, multilateral development agencies; national governments in Africa; and those from the international community who are invested in the development of resilience in Africa to engage through investment, technical assistance, strategic programs, and policy support to enable the widespread deployment and adoption at scale of these and other climate adaptation solutions being developed.

The database of companies identified in this study can be accessed at www.climateasap.org.

ABOUT THE ADAPTATION SME ACCELERATOR PROGRAM (ASAP) & ITS PARTNERS

ASAP is a program dedicated to assisting small and medium-sized enterprises (SMEs) in adapting to climate change impacts. It offers tailored support and resources to vulnerable SMEs in developing countries. ASAP focuses on capacity building, mentorship, and access to financing, helping SMEs identify climate risks and implement resilience strategies. The project aims to integrate climate resilience into SMEs' business models and foster sustainable practices. Through its targeted efforts, ASAP contributes to enhancing the adaptive capacity of SMEs in the face of climate challenges. ASAP is led by the Lightsmith Group with funding from the Global Environment Facility's Special Climate Change Fund and the Inter-America Development Bank. ASAP is facilitated by Conservation International. For more information on ASAP, visit www.climateasap.org and about The Lightsmith Group visit www.climateasap.org and about The Lightsmith Group visit

About Conservation International

Conservation International protects nature for the benefit of humanity. Through science, policy, fieldwork and finance, we spotlight and secure the most important places in nature for the climate, for biodiversity and for people. With offices in 30 countries and projects in more than 100 countries, Conservation International partners with governments, companies, civil society, Indigenous peoples and local communities to help people and nature thrive together. Go to **Conservation.org** for more, and follow our work on **Conservation News**, **Facebook**, **Twitter**, **TikTok**, **Instagram** and **YouTube**.

About The Global Environment Facility (GEF)

The GEF is a family of funds dedicated to confronting biodiversity loss, climate change, pollution, and strains on land and ocean health. Its grants, blended financing, and policy support helps developing countries address their biggest environmental priorities and adhere to international environmental conventions. Over the past three decades, the GEF has provided more than \$22 billion and mobilized \$120 billion in co-financing for more than 5,000 national and regional projects. More information can be found at www.thegef.org.

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	Company	In what countries are your companys solutions currently offered?	Sector	Please provide an overview of what you do. If accepted in to the ASAP Directory, this will be the text used as your Business Overview.	Website
1	4energy Global	Germany Poland United Kingdom Greece Egypt, Arab Rep. France Portugal India	Electricity; gas, steam &; air conditioning supply	4energy Global is a leading provider of low energy cooling products & intelligent energy management solutions.	http://www.4energy.org/
1	Abrimix	South Africa Canada United Kingdom Sub-Saharan Africa Europe &; Central Asia North America Latin America and Caribbean, Nigeria	Water supply; sewerage, waste management and remediation activities	Abrimix markets a unique patented technology that has been thoroughly researched and developed to provide respective clients with an affordable, efficient and cost effective water treatment process.	http://www.abrimix.co.za/
2	Adminix	Kenya Uganda Tanzania Mozambique	Agriculture; forestry and fishing Finance and Insurance Activities Professional,	ACRE Africa, the brand name of Agriculture and Climate Risk Enterprise Ltd. (ACRE) is a registered insurance surveyor in Kenya, an insurance agent in Rwanda and in Tanzania. It operates as a for profit company that evolved from the Kilimo Salama project (established 2009) that was funded through the	nup.//www.abiinix.co.za/
3	ACRE Africa	Malawi Ghana Senegal Rwanda	scientific and technical activities	Syngenta Foundation and the Global Index Insurance Facility (GIIF). Next generation open-farm precision technologies for a smarter, healthier and more sustainable arable farming ecosystem. Products include an aerial robot	https://acreafrica.com/
4	Aerial Industries	Nigeria Singapore Sub-Saharan Africa	Agriculture; forestry and fishing	for agriculture mechanization and embedding crop data computing software which allows farmers to access innovative corp spraying solutions.	https://www.aerial.industries/
5	AfricaWeather	South Africa Zambia Botswana Namibia Moza mbique	Information and communication; Weather	AfricaWeather is a weather company based in South Africa offering value- added weather solutions to a range of clients across aviation, mining through	https://www.africaweather.com
	Agri-IQ	South Africa Mozambique Kenya	Agriculture; forestry and fishing Professional, scientific and technical activities	AGRI-IQ are committed to growing agriculture throughout the SADC region to provide integrated services and innovative agri-business solutions to commercial farming enterprises, smallholders, farmers and government institutions.	https://www.agri-iq.com
0	AgiriQ	Brazii Kenya, Mexico, Philippines, Thailand, Tanzania, Brazil, Peru, Chile, Argentina, Bolivia, Uruguay, Morocco, Nigeria, South Africa, Mozambique,	declinical accivities	Developer of an agricultural management platform intended to make precision agronomy and agriculture technologies immediately accessible to farmers. The company's platform integrates multiple technologies into a farmers' intelligence ecosystem and correlates between various data layers of ground data, forecast data and activities that are performed or planned for specific	nups.//www.agr-iq.com
7	AgriTask	Ehiopia, Congo, Dem. Rep.;	Agriculture; forestry and fishing	crops, for deeper agricultural insights. Our company s trying to solve post harvest losses to increase income and secure food for the future. Our services is to build a local food storage facilities	https://www.agritask.com
8	Agro App Services	Liberia Nicaragua Denmark El	Agriculture	at local market places to recover food wastage; fast perishable and left over produce.	http://www.agroappservices.com
9	Agroclimatica	Salvador Ecuador Costa Rica Guatemala Honduras Kenya Nether lands	Agriculture; forestry and fishing; Professional activites; Information and Communications; Climate Risk Analytics	Agroclimatica is a risk assessment platform built for climate-smart agriculture.	https://agroclimatica.com/en/
				Agromyx (Ghana) manufactures freeze-dried fruits, vegetables and grains to stem post-harvest losses and create instant food products. We aim to deliver innovative solutions for the elimination of post-harvest food losses in the global food supply chain, and also providing nutritious healthy food products.	
10	Agromyx	Ghana	Agriculture; forestry and fishing	Connecting farmers to the business world by increasing productivity. AirQo was founded to close the gaps in air quality data in Uganda and across Sub-Saharan Africa. We continuously provide evidence of the magnitude and scale of air pollution by developing and deploying a network of low-cost air	http://agromyx.com/
4.0				quality monitoring devices. By applying artificial intelligence, we derive insights	
11	AirQo	Uganda	Human health and social work activities	from the data collected and share in real-time through our data sharing platforms.	https://www.airqo.net/
		-		platforms. Akwaaba Feeds partners with Bioproton Pty Australia to produce nutritious poultry and pig feed. Specifically, they produce various starters, mashes, and	
	AirQo Akwaaba Feeds	Uganda Ghana	Agriculture; forestry and fishing	platforms. Akwaaba Feeds partners with Bioproton Pty Australia to produce nutritious	https://www.airqo.net/
12		-		platforms. Akwaaba Feeds partners with Bioproton Pty Australia to produce nutritious poultry and pig feed. Specifically, they produce various starters, mashes, and	https://akwaabafeeds.com/
12	Akwaaba Feeds	Ghana	Agriculture; forestry and fishing Electricity; gas, steam &; air conditioning supply Energy Human health and social	platforms. Akwaaba Feeds partners with Bioproton Pty Australia to produce nutritious poultry and pig feed. Specifically, they produce various starters, mashes, and feeds. Altech's mission is to expand access to clean, reliable, renewable, and	https://akwaabafeeds.com/ https://www.altech-rdc.com/ https://wwa.me/message/LMIDIE
12 13 14	Akwaaba Feeds Altech Group	Ghana Congo, Dem. Rep.	Agriculture; forestry and fishing Electricity; gas, steam &; air conditioning supply [Energy Human health and social work activities Energy; Electricity Agriculture; forestry and fishing Agriculture; forestry and fishing Finance	platforms. Akwaaba Feeds partners with Bioproton Pty Australia to produce nutritious poultry and pig feed. Specifically, they produce various starters, mashes, and feeds. Altech's mission is to expand access to clean, reliable, renewable, and affordable energy for off- and poor-grid households. Aoulaye Sesame a company that grows white sesame in Niger	https://akwaabafeeds.com/ https://www.altech-rdc.com/ https://wa.me/message/LMIDIESZO1
12 13 14 15	Akwaaba Feeds Altech Group Alzanael Private Limited Aoulaye Sesame Apollo Agriculture	Ghana Congo, Dem. Rep. Zimbabwe Niger Kenya	Agriculture; forestry and fishing Electricity; gas, steam &; air conditioning supply Energy Human health and social work activities Energy; Electricity Agriculture; forestry and fishing Agriculture; forestry and fishing Finance and Insurance Activities Information and communication	platforms. Akwaaba Feeds partners with Bioproton Pty Australia to produce nutritious poultry and pig feed. Specifically, they produce various starters, mashes, and feeds. Altech's mission is to expand access to clean, reliable, renewable, and affordable energy for off- and poor-grid households.	https://akwaabafeeds.com/ https://www.altech-rdc.com/ https://www.altech-rdc.com/ https://wa.me/message/LMIDIE SZOI https://thelandaccelerator.com/ k/companies/ http://www.apolloagriculture.co
12 13 14 15 16 17	Akwaaba Feeds Altech Group Alzanael Private Limited Aoulaye Sesame Apollo Agriculture Aquafarms Africa	Ghana Congo, Dem. Rep. Zimbabwe Niger Kenya Guinea	Agriculture; forestry and fishing Electricity; gas, steam &; air conditioning supply Energy Human health and social work activities Energy; Electricity Agriculture; forestry and fishing Agriculture; forestry and fishing Finance and Insurance Activities Information and communication Agriculture	platforms. Akwaaba Feeds partners with Bioproton Pty Australia to produce nutritious poultry and pig feed. Specifically, they produce various starters, mashes, and feeds. Altech's mission is to expand access to clean, reliable, renewable, and affordable energy for off- and poor-grid households. Aoulaye Sesame a company that grows white sesame in Niger Developer of an agriculture platform designed to help farmers with modern farming in emerging markets. Arifu offers mobile learning tools that make it possible for the world's least served people (youth and women at the base of the income pyramid (BOP), rural smallholder farmers, and microentrepreneurs) to access the information they need to improve their incomes and escape from poverty using any mobile phone. Arifu develops learning campaigns for multinational companies, international NGOs, and social enterprises operating in the agriculture, financial	https://akwaabafeeds.com/ https://www.altech-rdc.com/ https://wa.me/message/L.MIDIE SZOI https://thelandaccelerator.com/ k/companies/ http://www.apulloagriculture.cc
12 13 14 15 16 17	Akwaaba Feeds Altech Group Alzanael Private Limited Aoulaye Sesame Apollo Agriculture	Ghana Congo, Dem. Rep. Zimbabwe Niger Kenya	Agriculture; forestry and fishing Electricity; gas, steam &; air conditioning supply Energy Human health and social work activities Energy; Electricity Agriculture; forestry and fishing Agriculture; forestry and fishing Finance and Insurance Activities Information and communication	platforms. Akwaaba Feeds partners with Bioproton Pty Australia to produce nutritious poultry and pig feed. Specifically, they produce various starters, mashes, and feeds. Altech's mission is to expand access to clean, reliable, renewable, and affordable energy for off- and poor-grid households. Aoulaye Sesame a company that grows white sesame in Niger Developer of an agriculture platform designed to help farmers with modern farming in emerging markets. Arifu offers mobile learning tools that make it possible for the world's least served people (youth and women at the base of the income pyramid (BOP), rural smallholder farmers, and microentrepreneurs) to access the information they need to improve their incomes and escape from poverty using any mobile phone. Arifu develops learning campaigns for multinational companies,	https://akwaabafeeds.com/ https://www.altech-rdc.com/ https://wa.me/message/LMIDIESZOI https://walme/message/LMIDIESZOI https://thelandaccelerator.com/ k/companies/ http://www.apulloagriculture.co http://www.aquafarmsafrica.co
12 13 14 15 16 17	Akwaaba Feeds Altech Group Alzanael Private Limited Aoulaye Sesame Apollo Agriculture Aquafarms Africa	Ghana Congo, Dem. Rep. Zimbabwe Niger Kenya Guinea	Agriculture; forestry and fishing Electricity; gas, steam &; air conditioning supply Energy Human health and social work activities Energy; Electricity Agriculture; forestry and fishing Agriculture; forestry and fishing Finance and Insurance Activities Information and communication Agriculture Agriculture Agriculture; forestry and fishing Electricity; gas, steam &; air conditioning supply Infrastructure Real estate activities Water supply; sewerage, waste	platforms. Akwaaba Feeds partners with Bioproton Pty Australia to produce nutritious poultry and pig feed. Specifically, they produce various starters, mashes, and feeds. Altech's mission is to expand access to clean, reliable, renewable, and affordable energy for off- and poor-grid households. Aoulaye Sesame a company that grows white sesame in Niger Developer of an agriculture platform designed to help farmers with modern farming in emerging markets. Arifu offers mobile learning tools that make it possible for the world's least served people (youth and women at the base of the income pyramid (BOP), rural smallholder farmers, and microentrepreneurs) to access the information they need to improve their incomes and escape from poverty using any mobile phone. Arifu develops learning campaigns for multinational companies, international NGOs, and social enterprises operating in the agriculture, financial services, and consumer goods sectors. Armergy designs, manufactures rent-to-own solar energy solutions providing, affordable, reliable and clean electricity for commercial, residential and rural electrification applications.	https://akwaabafeeds.com/ https://www.altech-rdc.com/ https://www.altech-rdc.com/ https://wa.me/message/LMIDIE SZOI https://thelandaccelerator.com/ k/companies/ http://www.apulloagriculture.co http://www.apulloagriculture.co http://www.aquafarmsafrica.co https://www.aquafarmsafrica.co
12 13 14 15 16 17	Akwaaba Feeds Altech Group Alzanael Private Limited Aoulaye Sesame Apollo Agriculture Aquafarms Africa Arifu Armergy	Ghana Congo, Dem. Rep. Zimbabwe Niger Kenya Guinca Kenya Sub-Saharan Africa Nigeria	Agriculture; forestry and fishing Electricity; gas, steam &; air conditioning supply Energy Human health and social work activities Energy; Electricity Agriculture; forestry and fishing Agriculture; forestry and fishing Finance and Insurance Activities Information and communication Agriculture Agriculture Agriculture; forestry and fishing Electricity; gas, steam &; air conditioning supply Infrastructure Real estate	platforms. Akwaaba Feeds partners with Bioproton Pty Australia to produce nutritious poultry and pig feed. Specifically, they produce various starters, mashes, and feeds. Altech's mission is to expand access to clean, reliable, renewable, and affordable energy for off- and poor-grid households. Aoulaye Sesame a company that grows white sesame in Niger Developer of an agriculture platform designed to help farmers with modern farming in emerging markets. Arifu offers mobile learning tools that make it possible for the world's least served people (youth and women at the base of the income pyramid (BOP), rural smallholder farmers, and microentrepreneurs) to access the information they need to improve their incomes and escape from poverty using any mobile phone. Arifu develops learning campaigns for multinational companies, international NGOs, and social enterprises operating in the agriculture, financial services, and consumer goods sectors. Armergy designs, manufactures rent-to-own solar energy solutions providing, affordable, reliable and clean electricity for commercial, residential and rural electrification applications.	https://akwaabafeeds.com/ https://www.altech-rdc.com/ https://wa.me/message/LMIDIE SZO1 https://thelandaccelerator.com/ k/companies/ http://www.apolloagriculture.co http://www.aquafarmsafrica.co
12 13 14 15 16 17 18	Akwaaba Feeds Altech Group Alzanael Private Limited Aoulaye Sesame Apollo Agriculture Aquafarms Africa Arifu Armergy	Ghana Congo, Dem. Rep. Zimbabwe Niger Kenya Guinca Kenya Sub-Saharan Africa Nigeria	Agriculture; forestry and fishing Electricity; gas, steam &; air conditioning supply Energy Human health and social work activities Energy; Electricity Agriculture; forestry and fishing Agriculture; forestry and fishing Finance and Insurance Activities Information and communication Agriculture Agriculture; forestry and fishing Electricity; gas, steam &; air conditioning supply Infrastructure Real estate activities Water supply; sewerage, waste management and remediation activities Information and communication	platforms. Akwaaba Feeds partners with Bioproton Pty Australia to produce nutritious poultry and pig feed. Specifically, they produce various starters, mashes, and feeds. Altech's mission is to expand access to clean, reliable, renewable, and affordable energy for off- and poor-grid households. Aculaye Sesame a company that grows white sesame in Niger Developer of an agriculture platform designed to help farmers with modern farming in emerging markets. Arfu offers mobile learning tools that make it possible for the world's least served people (youth and women at the base of the income pyramid (BOP), rural smallholder farmers, and microentrepreneurs) to access the information they need to improve their incomes and escape from poverty using any mobile phone. Arfu develops learning campaigns for multinational companies, international NGOs, and social enterprises operating in the agriculture, financial services, and consumer goods sectors. Arnergy designs, manufactures rent-to-own solar energy solutions providing, affordable, reliable and clean electricity for commercial, residential and rural electrification applications. Green building firm specialising in biological waste water recycling, stabilised rammed earth construction, and holistic development Astrofica's African-owned satellite constellation offers highly accurate, real-	https://akwaabafeeds.com/ https://www.altech-rdc.com/ https://wa.me/message/L.MIDIE SZO1 https://thelandaccelerator.com/ k/companies/ http://www.apulloagriculture.cc http://www.apulloagriculture.cc http://www.apulloagriculture.cc http://www.apulloagriculture.cc https://www.apulloagriculture.cc
12 13 14 15 16 17 18 19 20 21	Akwaaba Feeds Altech Group Alzanael Private Limited Aoulaye Sesame Apollo Agriculture Aquafarms Africa Arifu Armergy Asaduru	Ghana Congo, Dem. Rep. Zimbabwe Niger Kenya Guinea Kenya Sub-Saharan Africa Nigeria	Agriculture; forestry and fishing Electricity; gas, steam &; air conditioning supply Energy Human health and social work activities Energy; Electricity Agriculture; forestry and fishing Agriculture; forestry and fishing Finance and Insurance Activities Information and communication Agriculture Agriculture Agriculture Infrastructure Real estate activities Water supply; sewerage, waste management and remediation activities	platforms. Akwaaba Feeds partners with Bioproton Pty Australia to produce nutritious poultry and pig feed. Specifically, they produce various starters, mashes, and feeds. Altech's mission is to expand access to clean, reliable, renewable, and affordable energy for off- and poor-grid households. Aculaye Sesame a company that grows white sesame in Niger Developer of an agriculture platform designed to help farmers with modern farming in emerging markets. Arifu offers mobile learning tools that make it possible for the world's least served people (youth and women at the base of the income pyramid (BOP), rural smallholder farmers, and microentrepreneurs) to access the information they need to improve their incomes and escape from poverty using any mobile phone. Arifu develops learning campaigns for multinational companies, international NGOs, and social enterprises operating in the agriculture, financial services, and consumer goods sectors. Arnergy designs, manufactures rent-to-own solar energy solutions providing, affordable, reliable and clean electricity for commercial, residential and rural electrification applications. Green building firm specialising in biological waste water recycling, stabilised rammed earth construction, and holistic development Astrofica's African-owned satellite constellation offers highly accurate, real-time earth observation data to a multitude of local and international clients seeking actionable information that impacts their business operations. Developer of battery management and cell balancing system deigned to help convert the world to renewable energy sources, support the provision of electricity to the last billion people, and thus improve quality of life. The company's ain is to provide the electronics, the communications and the power electronics on batteries that will make them more useful and cost	https://akwaabafeeds.com/ https://www.altech-rdc.com/ https://wa.me/message/L.MIDIE SZO1 https://thelandaccelerator.com/ k/companies/ http://www.apulloagriculture.co http://www.apuafarmsafrica.co https://www.aguafarmsafrica.co https://www.aguafarmsafrica.co https://www.aguafarmsafrica.co

24	Bell Industries	Kenya	Agriculture; forestry and fishing	Bell Industries sells a variety of products namely fertilizers, chemical enhancers, and storage vessels meant to protect and maximize harvests.	http://www.bellindustrieskenya.co
			Agriculture; forestry and fishing Information and		
25	Bfarm-Tech	Ethiopia	communication Transportation and storage		https://bfarm-tech.wixsite.com/we
				Bieera Energy was created at Kisii University to deploy off-the-shelf micro- hydro power plants, leveraging megawatts of untapped, clean, carbon-free	
26	Bieera Energy	Kenya	Electricity; gas, steam &; air conditioning supply	energy in order to bring electricity to western Kenya.	http://bieera.com/
				Biopipe Global has developed a patented 100% sludge-free, chemical-free,	
27	7 Biopipe Global	Bangladesh India Philippines South Africa Ethiopia	Water supply; sewerage, waste management and remediation activities	odor-free, silent, easy to assemble and install, scalable, low cost, ecological and virtually maintenance-free onsite sewage wastewater treatment system.	https://www.biopipe.co/
				Provider of an agricultural service intended to facilitate agricultural operations business. The company's operation offers high-end agriculture solutions to	
				development across different crop types from cereals to plantations, orchards, and cut flowers as well as evaluate locations to identify optimum crops and	
				crop plans to maximize yields and return to all stakeholders, enabling farmers	
28	3 Blueagri	South Africa Curacao Zambia Zimbabwe	Agriculture: forestry and fishing	to access capital, financial, and business management systems to develop large-scale agricultural production	https://blueagri.com/
				Bovcontrol is a data collection and analysis tool to improve performance on	
29	9 BovControl	Global	Agriculture; forestry and fishing	meat, milk and genetics production. Cadel Consulting Ltd (Burkina Faso) produces phospho-compost, an organic	https://www.bovcontrol.com/
				fertilizer that helps in restoring degraded land, a problem faced by 85% of farmers in Burkina Faso. The company also distributes improved seed from other companies and trains farmers on smart farming practices. Builds resilience	
20	Cadal Canculting	Durking Face	A aviaultura Cail	to: drought, heat stress, and extreme weather events that reduce crop yields	https://www.codolofrico.com/
	Cadel Consulting	Burkina Faso	Agriculture Soil Agriculture; Climate Risk Analytics and	and degrade arable land.	https://www.cadelafrica.com/
31	L Classic Foods Limited	Kenya	Risk Management	Climate Edge works with agricultural service providers to make their services	http://www.classicfoods.co.ke
32	2 Climate Edge	Kenya Colombia United Kingdom	Agriculture; forestry and fishing	accessible to thousands of smallholder farmers.	https://www.climate-edge.com/
			Agriculture; forestry and fishing Electricity; gas, steam &; air	ColdHubs, is a "plug and play" modular, solar-powered walk-in cold room, for	
33	Coldhubs	Nigeria	conditioning supply Climate Risk Analytics and Risk	24/7 off-grid storage and preservation of perishable foods	http://www.coldhubs.com/
34	Congretype	South Africa	Management	Congretype provides societal based solutions in renewable energy, ICT for devel	https://www.congretype.co.za/
		Kenya, Ethiopia, Rwanda, Uganda,		Offers farm management software designed to facilitate connected and data- driven farming to integrate the agricultural sector with information and	
		Mozambique, South Africa, Zimbabwe,		communication technology (ICT). Allows different value chain participants to	
35	5 Cropin	Ghana, Côte d'Ivoire, Burkina Faso, India, Global, Nigeria	Agriculture; forestry and fishing; Supply Chain; Information and Communications	monitor farm produce status, improve the financial and operational aspects of agriculture and ensure the quality and safety of food for end consumers.	http://www.cropin.com/
				Daystar Power supplies affordable, reliable and clean power to businesses and consumers across Africa. They provide customers with continuous power, covering all consumers at a monthly fee and zero capital expenditure, by	
36	5 Daystar Power	Nigeria	Electricity; gas, steam &; air conditioning supply	employing a combination of technologies, including solar power and battery back-up.	https://www.daystar-power.com
37	De Omni Man Nigeria 7 Limited	Nigeria	Agriculture Waste		http://www.deomniman.com
			Electricity; gas, steam &; air conditioning	Makes clean energy services affordable to low-income customers in	
38	3 Devergy	Tanzania	supply	Tanzania through a pay-as-you-go model using mobile banking We are in business of AMI products & Solutions for electric utility companies in	https://devergy.com/ http://www.dms-ami.com
	Digital Microsystems Pte			the emerging markets. We provide end to end smart metering solutions (Meter to cash) to utility companies addressing various operational challenges that they are faced in, day in day out, such as: Power theft, Collection pOroblem, Meter reading, Managing assets in the filed, Demand Side Management, Visibility over consumptions, evolving consumers' expectation,	
39	Ltd	Singapore	Transportation; Logistics; Infrastructure	and customer satisfaction issues.	
40	E3D Niger	Niger	Agriculture; forestry and fishing Human health and social work activities	E3D Niger grows neem trees to make natural pesticides, insect-repelling soaps, disinfectants, and related products.	https://e3dniger.com/
			Electricity; gas, steam &; air conditioning	Easy Solar distributes a wide range of solar products, appliances and complementary lifestyle products, while providing customers with consumer-financing solutions through mobile technology. The technology enables customers to make small payments over time until they own the product	
41	L Easy Solar	Sierra Leone Liberia	supply	outright. Elwin AgTech Project 1.0 is an innovative commitment to delivering sufficient,	https://www.easysolar.sl/
		Nigeria Morocco Turkey United		&; nutritious foods, and creating sustainable dignified jobs by empowering	
	ELWIN AMANCHASIS	States United Arab Emirates United Kingdom Germany Netherlands Israel C	Agriculture; forestry and	smallholder farmers with smart farming techniques (climate adaptation and resilience) for optimum improvement in productivity up to 60% for marketable	
42	2 COY LTD Emabhaceni	hina Japan South Korea	fishing Manufacturing	value profitability.	https://www.elwin-group.com.n
	Development And Nature	Court Asia	Γ		Lu. //
43	3 Solutions	South Africa	Energy	Energy Shift has designed components that are able to connect to any	http://www.emabhaceni.co.za
			Electricity; gas, steam &; air conditioning	standard PV panel, thereby converting the PV installation to a full-blown PV-T installation. This significantly reduces the need for new capital expenditure on PV-T where companies already have PV systems installed. It also reduces the overall cost of a new PV-T installation by combining the retrofitted Energy Shift	https://www.savant.co.za/ventu
44	Energy Shift	South Africa	supply	technology with standard PV technology. Esoko has been helping enterprises manage rural communities. Traditionally	nergy-shift/
			Agriculture; forestry and fishing Finance	focused on content services for farmer, Esoko now provides access to critical services via mobile channels (agronomic, climate, markets, credits and digital skills) to smallholder farmers to build resilience and adapt to climate. We promote transparency in agricultural value chains and help organizations to	
		Ghana Liberia Tanzania Benin Malawi Z	and Insurance Activities Information and	track community based projects using a powerful data digitization platform	
45	5 Esoko	Ghana Liberia Tanzania Benin Malawi Z imbabwe Kenya Burkina Faso	and Insurance Activities Information and communication	track community dased projects using a powerrul data digitization platform and field deployment expertise. Expressions Global Group (Kenya) offers affordable piped water for irrigation to	https://esoko.com/

				Provider of digital agriculture platform intended to connect farm sponsors with	
				real farmers. The company's platform applies an agri-tech approach to	
				crowdfunding by matching investors with smallholder farmers, increase food	
				production while promoting youth participation, enabling working class	
47	FarmCrowdy	Nigeria	Agriculture; forestry and fishing	Nigerians to crowd-sponsor farming projects with the promise of a share in the returns.	http://www.farmcrowdy.com/
47	ramicioway	Nigeria	Agriculture, forestry and fishing	Provider of financial services intended to offer loans to small farmers. The	http://www.farmerowdy.com/
				company's services leverage alternative datasets to create comprehensive	
				credit scores which financial institutions use to lend to smallholder farmers at	
				the base of the pyramid, thereby enabling farmers to get loans, improve the	
				livelihoods of entire communities, and alleviate poverty, hunger and	
48	FarmDrive	Kenya	Agriculture; forestry and fishing	inequalities.	https://www.farmdrive.co.ke
				Farmerline develops solutions to increase access to farmers and simplify	
				transactions throughout the agricultural value chain. We are the first	
				organisation in Africa to give farmers access to information through voice	
				messages in local languages, effectively bridging the knowledge gap among	
				smallholder farmers. We are building the "Amazon" for farmers where they can access these timely services and other quality resources at affordable	
49	Farmerline	Ghana	Agriculture; forestry and fishing	prices in their community.	https://farmerline.co/
	Turricume	Chana	Agriculture; Climate Risk Analytics and	prices in their community.	перэлу таппетшелер
			Risk Management; Information and		
50	Farmio Ltd	Ghana	Communication		http://www.farmiogh.com
				Developer of an Agri-Tech platform intended to connect farmers with the	
				information, suppliers and service providers. The company operates a global	
				agriculture platform where farmers, buyers and service providers can trade on	
				mutually beneficial terms, thereby enabling fully transparent management of	
				the agriculture value chain and allowing smallholder farmers to increase their	
E4	Farmshine	Kenya	Agriculture: forestn, and fishing	income by aggregating and selling their harvests directly to large commodity companies.	http://www.farmshine.io/
	Farmsnine Favorite Doctor	Kenya Nigeria	Agriculture; forestry and fishing Health;	companies.	https://www.favdoctor.com
32	. a vonte poetoi		,	Field Intelligence has developed a SaaS-based pharmaceutical supply-chain	
				platform to make healthcare radically simple, affordable, and effective. By	
				digitizing and optimizing large-scale pharmaceutical supply chains, the	
		Sub-Saharan		company's solution increases the resilience and dynamism of pharma supply	
53	Field Intelligence	Africa Nigeria Kenya Germany	Human health and social work activities	chains.	http://www.field.inc/
				Freezelink (Ghana) delivers cold chain logistics services to reduce food waste	
				and enhance food security and to increase the availability of medicine in Africa.	
		_		Builds resilience to: extreme heat and extreme weather events that reduce crop	
54	Freezelink	Ghana	Cold Chain - supply Chain	yields, worsen food waste, and increase food insecurity.	https://freezelink.co/
		Kenya Benin Burkina			
		Faso Ethiopia Gambia,		Futurenumn is a company headquestored in Kenya which develops cales	
		The Ghana India Malawi Mali Mozamb		Futurepump is a company headquartered in Kenya which develops solar	
		ique Nigeria Papua New Guinea Nepal South	Agriculture; forestry and fishing Water supply; sewerage, waste management	powered irrigation pumps. These pumps run on renewable energy, designed for 1-2 acre farms, and are highly efficient and portable. The company aims to	
55	Future Pump Limited	Sudan Zambia Uganda Zimbabwe	and remediation activities	provide solutions for future precipitation changes due to climate change.	https://futurepump.com
33	r dedic r dirip birnica	Judan Zambia Oganda Zimbabwe	and remediation activities	Gas Chill is an Egyptian company that provides inventive world class cooling &	nteps.//futurepump.com
				heating solutions using the latest groundbreaking Japanese & European	
				technology. Gas Chill's core objective is to provide the most revolutionary,	
			Electricity; gas, steam &; air conditioning	environmentally-friendly energy supply techniques, not only in Egypt, but the	
	Gas Chill	Equat Arab Dan	accepts.	MENA region.	
56	Gas Cilli	Egypt, Arab Rep.	supply		http://www.gaschill.net/index.html
		Kenya South Africa Tanzania Sierra		GeoPoll, the mobile engagement platform of Mobile Accord, provides real-time	
	GeoPoll		Information and communication		http://www.gaschill.net/index.html https://www.geopoll.com/
		Kenya South Africa Tanzania Sierra		GeoPoll, the mobile engagement platform of Mobile Accord, provides real-time mobile data collection, insights and analytics.	
		Kenya South Africa Tanzania Sierra		GeoPoll, the mobile engagement platform of Mobile Accord, provides real-time mobile data collection, insights and analytics. Geospatial Analytical Services (GeoSAS) is an Ethiopian private consulting	
		Kenya South Africa Tanzania Sierra		GeoPoll, the mobile engagement platform of Mobile Accord, provides real-time mobile data collection, insights and analytics. Geospatial Analytical Services (GeoSAS) is an Ethiopian private consulting company established in 2007. GeoSAS provides professional services in	
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57		Kenya South Africa Tanzania Sierra	Information and communication	GeoPoll, the mobile engagement platform of Mobile Accord, provides real-time mobile data collection, insights and analytics. Geospatial Analytical Services (GeoSAS) is an Ethiopian private consulting company established in 2007. GeoSAS provides professional services in planning, designing, implementing, monitoring and evaluation of development projects in various sectors, with a focus on climate change and agriculture. The firm specializes in acquisition, processing, analysis and synthesis of geospatial	https://www.geopoll.com/
57	GeoPoll Geospatial Analytical	Kenya South Africa Tanzania Sierra Leone Liberia Guinea	Information and communication Agriculture; forestry and fishing Information and	GeoPoll, the mobile engagement platform of Mobile Accord, provides real-time mobile data collection, insights and analytics. Geospatial Analytical Services (GeoSAS) is an Ethiopian private consulting company established in 2007. GeoSAS provides professional services in planning, designing, implementing, monitoring and evaluation of development projects in various sectors, with a focus on climate change and agriculture. The	https://www.geopoll.com/ http://www.geosas.net/geosas-consulting/index.php
57 58	GeoPoll Geospatial Analytical	Kenya South Africa Tanzania Sierra Leone Liberia Guinea	Information and communication Agriculture; forestry and fishing Information and communication Infrastructure	GeoPoll, the mobile engagement platform of Mobile Accord, provides real-time mobile data collection, insights and analytics. Geospatial Analytical Services (GeoSAS) is an Ethiopian private consulting company established in 2007. GeoSAS provides professional services in planning, designing, implementing, monitoring and evaluation of development projects in various sectors, with a focus on climate change and agriculture. The firm specializes in acquisition, processing, analysis and synthesis of geospatial data for various applications using GIS and Remote Sensing.	https://www.geopoll.com/
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57 58 59	Geospatial Analytical Services Germark Holdings Limited	Kenya South Africa Tanzania Sierra Leone Liberia Guinea Ethiopia Tanzania	Information and communication Agriculture; forestry and fishing Information and communication Infrastructure Professional, scientific and technical activities; energy; finance Electricity; gas, steam &; air conditioning	GeoPoll, the mobile engagement platform of Mobile Accord, provides real-time mobile data collection, insights and analytics. Geospatial Analytical Services (GeoSAS) is an Ethiopian private consulting company established in 2007. GeoSAS provides professional services in planning, designing, implementing, monitoring and evaluation of development projects in various sectors, with a focus on climate change and agriculture. The firm specializes in acquisition, processing, analysis and synthesis of geospatial data for various applications using GIS and Remote Sensing. Our solutions are focused on grid integration of solar and wind energy, as well as on grid stability and energy transport. They are based on four top product lines: Advance Power Integration Solutions Multi-Level Solar Inverters Energy Management Solutions	https://www.geopoll.com/ http://www.geosas.net/geosas- consulting/index.php https://www.germarkholdings.com http://www.greenpower.es/en/home/
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57 58 59	Geospatial Analytical Services Germark Holdings Limited	Kenya South Africa Tanzania Sierra Leone Liberia Guinea Ethiopia Tanzania	Information and communication Agriculture; forestry and fishing Information and communication Infrastructure Professional, scientific and technical activities; energy; finance Electricity; gas, steam &; air conditioning	GeoPoll, the mobile engagement platform of Mobile Accord, provides real-time mobile data collection, insights and analytics. Geospatial Analytical Services (GeoSAS) is an Ethiopian private consulting company established in 2007. GeoSAS provides professional services in planning, designing, implementing, monitoring and evaluation of development projects in various sectors, with a focus on climate change and agriculture. The firm specializes in acquisition, processing, analysis and synthesis of geospatial data for various applications using GIS and Remote Sensing. Our solutions are focused on grid integration of solar and wind energy, as well as on grid stability and energy transport. They are based on four top product lines: Advance Power Integration Solutions Multi-Level Solar Invertes Energy Management Solutions Plug and Play Storage Solutions Green Dreams TECH's product iCow is a mobile-based agricultural platform	https://www.geopoll.com/ http://www.geosas.net/geosas- consulting/index.php https://www.germarkholdings.com http://www.greenpower.es/en/home/
58 59 60	GeoPoll Geospatial Analytical Services Germark Holdings Limited GPTech	Kenya South Africa Tanzania Sierra Leone Liberia Guinea Ethiopia Tanzania Spain, South Africa, Chile	Information and communication Agriculture; forestry and fishing Information and communication Infrastructure Professional, scientific and technical activities; energy; finance Electricity; gas, steam &; air conditioning supply	GeoPoll, the mobile engagement platform of Mobile Accord, provides real-time mobile data collection, insights and analytics. Geospatial Analytical Services (GeoSAS) is an Ethiopian private consulting company established in 2007. GeoSAS provides professional services in planning, designing, implementing, monitoring and evaluation of development projects in various sectors, with a focus on climate change and agriculture. The firm specializes in acquisition, processing, analysis and synthesis of geospatial data for various applications using GIS and Remote Sensing. Our solutions are focused on grid integration of solar and wind energy, as well as on grid stability and energy transport. They are based on four top product lines: Advance Power Integration Solutions Multi-Level Solar Inverters Energy Management Solutions Plug and Play Storage Solutions Plug and Play Storage Solutions	https://www.geopoll.com/ http://www.geosas.net/geosas- consulting/index.php https://www.germarkholdings.com http://www.greenpower.es/en/home/ index.html
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58 59 60	GeoPoll Geospatial Analytical Services Germark Holdings Limited GPTech	Kenya South Africa Tanzania Sierra Leone Liberia Guinea Ethiopia Tanzania Spain, South Africa, Chile	Information and communication Agriculture; forestry and fishing Information and communication Infrastructure Professional, scientific and technical activities; energy; finance Electricity; gas, steam &; air conditioning supply Agriculture; forestry and fishing	GeoPoll, the mobile engagement platform of Mobile Accord, provides real-time mobile data collection, insights and analytics. Geospatial Analytical Services (GeoSAS) is an Ethiopian private consulting company established in 2007. GeoSAS provides professional services in planning, designing, implementing, monitoring and evaluation of development projects in various sectors, with a focus on climate change and agriculture. The firm specializes in acquisition, processing, analysis and synthesis of geospatial data for various applications using GIS and Remote Sensing. Our solutions are focused on grid integration of solar and wind energy, as well as on grid stability and energy transport. They are based on four top product lines: Advance Power Integration Solutions Multi-Level Solar Inverters Energy Management Solutions Plug and Play Storage Solutions Green Dreams TECH's product iCow is a mobile-based agricultural platform providing farmers services and data to help increase productivity based on good agricultural practices. Specialise in the design and installation of water filtration and purification units	https://www.geopoll.com/ http://www.geosas.net/geosas- consulting/index.php https://www.germarkholdings.com http://www.greenpower.es/en/home/ index.html
57 58 59 60	GeoPoll Geospatial Analytical Services Germark Holdings Limited GPTech	Kenya South Africa Tanzania Sierra Leone Liberia Guinea Ethiopia Tanzania Spain, South Africa, Chile	Information and communication Agriculture; forestry and fishing Information and communication Infrastructure Professional, scientific and technical activities; energy; finance Electricity; gas, steam &; air conditioning supply	GeoPoll, the mobile engagement platform of Mobile Accord, provides real-time mobile data collection, insights and analytics. Geospatial Analytical Services (GeoSAS) is an Ethiopian private consulting company established in 2007. GeoSAS provides professional services in planning, designing, implementing, monitoring and evaluation of development projects in various sectors, with a focus on climate change and agriculture. The firm specializes in acquisition, processing, analysis and synthesis of geospatial data for various applications using GIS and Remote Sensing. Our solutions are focused on grid integration of solar and wind energy, as well as on grid stability and energy transport. They are based on four top product lines: Advance Power Integration Solutions Multi-Level Solar Inverters Energy Management Solutions Plug and Play Storage Solutions Green Dreams TECH's product iCow is a mobile-based agricultural platform providing farmers services and data to help increase productivity based on good agricultural practices.	https://www.geopoll.com/ http://www.geosas.net/geosas-consulting/index.php https://www.germarkholdings.com http://www.greenpower.es/en/home/index.html
57 58 59 60	GeoPoll Geospatial Analytical Services Germark Holdings Limited GPTech Green Dreams TECH Ltd	Kenya South Africa Tanzania Sierra Leone Liberia Guinea Ethiopia Tanzania Spain, South Africa, Chile Kenya Ethiopia Tanzania	Information and communication Agriculture; forestry and fishing Information and communication Infrastructure Professional, scientific and technical activities; energy; finance Electricity; gas, steam &; air conditioning supply Agriculture; forestry and fishing Water supply; sewerage, waste	GeoPoll, the mobile engagement platform of Mobile Accord, provides real-time mobile data collection, insights and analytics. Geospatial Analytical Services (GeoSAS) is an Ethiopian private consulting company established in 2007. GeoSAS provides professional services in planning, designing, implementing, monitoring and evaluation of development projects in various sectors, with a focus on climate change and agriculture. The firm specializes in acquisition, processing, analysis and synthesis of geospatial data for various applications using GIS and Remote Sensing. Our solutions are focused on grid integration of solar and wind energy, as well as on grid stability and energy transport. They are based on four top product lines: Advance Power Integration Solutions Multi-Level Solar Inverters Energy Management Solutions Green Dreams TECH's product iCow is a mobile-based agricultural platform providing farmers services and data to help increase productivity based on good agricultural practices. Specialise in the design and installation of water filtration and purification units suitable for rainwater filtration and groundwater filtration for residential,	https://www.geopoll.com/ http://www.geosas.net/geosas- consulting/index.php https://www.germarkholdings.com http://www.greenpower.es/en/home/ index.html https://www.icow.co.ke
58 58 59 60 61 62	GeoPoll Geospatial Analytical Services Germark Holdings Limited GPTech Green Dreams TECH Ltd Greenchain Group	Kenya South Africa Tanzania Sierra Leone Liberia Guinea Ethiopia Tanzania Spain, South Africa, Chile Kenya Ethiopia Tanzania	Information and communication Agriculture; forestry and fishing Information and communication Infrastructure Professional, scientific and technical activities; energy; finance Electricity; gas, steam &; air conditioning supply Agriculture; forestry and fishing Water supply; sewerage, waste management and remediation activities Agriculture	GeoPoll, the mobile engagement platform of Mobile Accord, provides real-time mobile data collection, insights and analytics. Geospatial Analytical Services (GeoSAS) is an Ethiopian private consulting company established in 2007. GeoSAS provides professional services in planning, designing, implementing, monitoring and evaluation of development projects in various sectors, with a focus on climate change and agriculture. The firm specializes in acquisition, processing, analysis and synthesis of geospatial data for various applications using GIS and Remote Sensing. Our solutions are focused on grid integration of solar and wind energy, as well as on grid stability and energy transport. They are based on four top product lines: Advance Power Integration Solutions Multi-Level Solar Inverters Energy Management Solutions Green Dreams TECH's product iCow is a mobile-based agricultural platform providing farmers services and data to help increase productivity based on good agricultural practices. Specialise in the design and installation of water filtration and purification units suitable for rainwater filtration and groundwater filtration for residential,	https://www.geopoll.com/ http://www.geosas.net/geosas- consulting/index.php https://www.germarkholdings.com http://www.greenpower.es/en/home/ index.html https://www.icow.co.ke
58 58 59 60 61 62	GeoPoll Geospatial Analytical Services Germark Holdings Limited GPTech Green Dreams TECH Ltd Greenchain Group Griincom Innovated	Kenya South Africa Tanzania Sierra Leone Liberia Guinea Ethiopia Tanzania Spain, South Africa, Chile Kenya Ethiopia Tanzania South Africa	Information and communication Agriculture; forestry and fishing Information and communication Infrastructure Professional, scientific and technical activities; energy; finance Electricity; gas, steam &; air conditioning supply Agriculture; forestry and fishing Water supply; sewerage, waste management and remediation activities Agriculture Agriculture; forestry and fishing;	GeoPoll, the mobile engagement platform of Mobile Accord, provides real-time mobile data collection, insights and analytics. Geospatial Analytical Services (GeoSAS) is an Ethiopian private consulting company established in 2007. GeoSAS provides professional services in planning, designing, implementing, monitoring and evaluation of development projects in various sectors, with a focus on climate change and agriculture. The firm specializes in acquisition, processing, analysis and synthesis of geospatial data for various applications using GIS and Remote Sensing. Our solutions are focused on grid integration of solar and wind energy, as well as on grid stability and energy transport. They are based on four top product lines: Advance Power Integration Solutions Multi-Level Solar Inverters Energy Management Solutions Green Dreams TECH's product iCow is a mobile-based agricultural platform providing farmers services and data to help increase productivity based on good agricultural practices. Specialise in the design and installation of water filtration and purification units suitable for rainwater filtration and groundwater filtration for residential,	https://www.geopoll.com/ http://www.geosas.net/geosas- consulting/index.php https://www.germarkholdings.com http://www.greenpower.es/en/home/ index.html https://www.icow.co.ke
58 58 59 60 61 62 63	GeoPoll Geospatial Analytical Services Germark Holdings Limited GPTech Green Dreams TECH Ltd Greenchain Group Griincom Innovated Limited	Kenya South Africa Tanzania Sierra Leone Liberia Guinea Ethiopia Tanzania Spain, South Africa, Chile Kenya Ethiopia Tanzania South Africa Kenya	Information and communication Agriculture; forestry and fishing Information and communication Infrastructure Professional, scientific and technical activities; energy; finance Electricity; gas, steam &; air conditioning supply Agriculture; forestry and fishing Water supply; sewerage, waste management and remediation activities Agriculture; forestry and fishing; Professional Services; Information and	GeoPoll, the mobile engagement platform of Mobile Accord, provides real-time mobile data collection, insights and analytics. Geospatial Analytical Services (GeoSAS) is an Ethiopian private consulting company established in 2007. GeoSAS provides professional services in planning, designing, implementing, monitoring and evaluation of development projects in various sectors, with a focus on climate change and agriculture. The firm specializes in acquisition, processing, analysis and synthesis of geospatial data for various applications using GIS and Remote Sensing. Our solutions are focused on grid integration of solar and wind energy, as well as on grid stability and energy transport. They are based on four top product lines: Advance Power Integration Solutions Multi-Level Solar Inverters Energy Management Solutions Green Dreams TECH's product iCow is a mobile-based agricultural platform providing farmers services and data to help increase productivity based on good agricultural practices. Specialise in the design and installation of water filtration and purification units suitable for rainwater filtration and groundwater filtration for residential,	https://www.geopoll.com/ http://www.geosas.net/geosas- consulting/index.php https://www.germarkholdings.com http://www.greenpower.es/en/home/ index.html https://www.icow.co.ke https://www.greenchaingroup.com/
58 58 59 60 61 62 63	GeoPoll Geospatial Analytical Services Germark Holdings Limited GPTech Green Dreams TECH Ltd Greenchain Group Griincom Innovated	Kenya South Africa Tanzania Sierra Leone Liberia Guinea Ethiopia Tanzania Spain, South Africa, Chile Kenya Ethiopia Tanzania South Africa	Information and communication Agriculture; forestry and fishing Information and communication Infrastructure Professional, scientific and technical activities; energy; finance Electricity; gas, steam &; air conditioning supply Agriculture; forestry and fishing Water supply; sewerage, waste management and remediation activities Agriculture Agriculture; forestry and fishing;	GeoPoll, the mobile engagement platform of Mobile Accord, provides real-time mobile data collection, insights and analytics. Geospatial Analytical Services (GeoSAS) is an Ethiopian private consulting company established in 2007. GeoSAS provides professional services in planning, designing, implementing, monitoring and evaluation of development projects in various sectors, with a focus on climate change and agriculture. The firm specializes in acquisition, processing, analysis and synthesis of geospatial data for various applications using GIS and Remote Sensing. Our solutions are focused on grid integration of solar and wind energy, as well as on grid stability and energy transport. They are based on four top product lines: Advance Power Integration Solutions Multi-Level Solar Inverters Energy Management Solutions Green Dreams TECH's product iCow is a mobile-based agricultural platform providing farmers services and data to help increase productivity based on good agricultural practices. Specialise in the design and installation of water filtration and purification units suitable for rainwater filtration and groundwater filtration for residential, industrial and commercial use.	https://www.geopoll.com/ http://www.geosas.net/geosas- consulting/index.php https://www.germarkholdings.com http://www.greenpower.es/en/home/ index.html https://www.icow.co.ke
58 58 59 60 61 62 63	GeoPoll Geospatial Analytical Services Germark Holdings Limited GPTech Green Dreams TECH Ltd Greenchain Group Griincom Innovated Limited	Kenya South Africa Tanzania Sierra Leone Liberia Guinea Ethiopia Tanzania Spain, South Africa, Chile Kenya Ethiopia Tanzania South Africa Kenya	Information and communication Agriculture; forestry and fishing Information and communication Infrastructure Professional, scientific and technical activities; energy; finance Electricity; gas, steam &; air conditioning supply Agriculture; forestry and fishing Water supply; sewerage, waste management and remediation activities Agriculture; forestry and fishing; Professional Services; Information and	GeoPoll, the mobile engagement platform of Mobile Accord, provides real-time mobile data collection, insights and analytics. Geospatial Analytical Services (GeoSAS) is an Ethiopian private consulting company established in 2007. GeoSAS provides professional services in planning, designing, implementing, monitoring and evaluation of development projects in various sectors, with a focus on climate change and agriculture. The firm specializes in acquisition, processing, analysis and synthesis of geospatial data for various applications using GIS and Remote Sensing. Our solutions are focused on grid integration of solar and wind energy, as well as on grid stability and energy transport. They are based on four top product lines: Advance Power Integration Solutions Multi-Level Solar Inverters Energy Management Solutions Plug and Play Storage Solutions Green Dreams TECH's product iCow is a mobile-based agricultural platform providing farmers services and data to help increase productivity based on good agricultural practices. Specialise in the design and installation of water filtration and purification units suitable for rainwater filtration and groundwater filtration for residential, industrial and commercial use.	https://www.geopoll.com/ http://www.geosas.net/geosas- consulting/index.php https://www.germarkholdings.com http://www.greenpower.es/en/home/ index.html https://www.icow.co.ke https://www.greenchaingroup.com/
58 58 59 60 61 62 63	GeoPoll Geospatial Analytical Services Germark Holdings Limited GPTech Green Dreams TECH Ltd Greenchain Group Griincom Innovated Limited	Kenya South Africa Tanzania Sierra Leone Liberia Guinea Ethiopia Tanzania Spain, South Africa, Chile Kenya Ethiopia Tanzania South Africa Kenya	Information and communication Agriculture; forestry and fishing Information and communication Infrastructure Professional, scientific and technical activities; energy; finance Electricity; gas, steam &; air conditioning supply Agriculture; forestry and fishing Water supply; sewerage, waste management and remediation activities Agriculture; forestry and fishing; Professional Services; Information and	GeoPoll, the mobile engagement platform of Mobile Accord, provides real-time mobile data collection, insights and analytics. Geospatial Analytical Services (GeoSAS) is an Ethiopian private consulting company established in 2007. GeoSAS provides professional services in planning, designing, implementing, monitoring and evaluation of development projects in various sectors, with a focus on climate change and agriculture. The firm specializes in acquisition, processing, analysis and synthesis of geospatial data for various applications using GIS and Remote Sensing. Our solutions are focused on grid integration of solar and wind energy, as well as on grid stability and energy transport. They are based on four top product lines: Advance Power Integration Solutions Multi-Level Solar Inverters Energy Management Solutions Plug and Play Storage Solutions Green Dreams TECH's product iCow is a mobile-based agricultural platform providing farmers services and data to help increase productivity based on good agricultural practices. Specialise in the design and installation of water filtration and purification units suitable for rainwater filtration and groundwater filtration for residential, industrial and commercial use.	https://www.geopoll.com/ http://www.geosas.net/geosas- consulting/index.php https://www.germarkholdings.com http://www.greenpower.es/en/home/ index.html https://www.icow.co.ke https://www.greenchaingroup.com/
58 58 59 60 61 62 63	GeoPoll Geospatial Analytical Services Germark Holdings Limited GPTech Green Dreams TECH Ltd Greenchain Group Griincom Innovated Limited	Kenya South Africa Tanzania Sierra Leone Liberia Guinea Ethiopia Tanzania Spain, South Africa, Chile Kenya Ethiopia Tanzania South Africa Kenya	Information and communication Agriculture; forestry and fishing Information and communication Infrastructure Professional, scientific and technical activities; energy; finance Electricity; gas, steam &; air conditioning supply Agriculture; forestry and fishing Water supply; sewerage, waste management and remediation activities Agriculture; forestry and fishing; Professional Services; Information and	GeoPoll, the mobile engagement platform of Mobile Accord, provides real-time mobile data collection, insights and analytics. Geospatial Analytical Services (GeoSAS) is an Ethiopian private consulting company established in 2007. GeoSAS provides professional services in planning, designing, implementing, monitoring and evaluation of development projects in various sectors, with a focus on climate change and agriculture. The firm specializes in acquisition, processing, analysis and synthesis of geospatial data for various applications using GIS and Remote Sensing. Our solutions are focused on grid integration of solar and wind energy, as well as on grid stability and energy transport. They are based on four top product lines: Advance Power Integration Solutions Multi-Level Solar Inverters Energy Management Solutions Plug and Play Storage Solutions Green Dreams TECH's product iCow is a mobile-based agricultural platform providing farmers services and data to help increase productivity based on good agricultural practices. Specialise in the design and installation of water filtration and purification units suitable for rainwater filtration and groundwater filtration for residential, industrial and commercial use.	https://www.geopoll.com/ http://www.geopoll.com/ http://www.geopoll.com/ http://www.geopoll.com/ https://www.geopoll.com/ https://www.geopoll.com/ http://www.geopoll.com/ http://www.geopoll.com/ http://www.geopoll.com/ http://www.geopoll.com/ http://www.geopoll.com/
58 58 59 60 61 62 63	GeoPoll Geospatial Analytical Services Germark Holdings Limited GPTech Green Dreams TECH Ltd Greenchain Group Griincom Innovated Limited	Kenya South Africa Tanzania Sierra Leone Liberia Guinea Ethiopia Tanzania Spain, South Africa, Chile Kenya Ethiopia Tanzania South Africa Kenya	Information and communication Agriculture; forestry and fishing Information and communication Infrastructure Professional, scientific and technical activities; energy; finance Electricity; gas, steam &; air conditioning supply Agriculture; forestry and fishing Water supply; sewerage, waste management and remediation activities Agriculture; forestry and fishing; Professional Services; Information and	GeoPoll, the mobile engagement platform of Mobile Accord, provides real-time mobile data collection, insights and analytics. Geospatial Analytical Services (GeoSAS) is an Ethiopian private consulting company established in 2007. GeoSAS provides professional services in planning, designing, implementing, monitoring and evaluation of development projects in various sectors, with a focus on climate change and agriculture. The firm specializes in acquisition, processing, analysis and synthesis of geospatial data for various applications using GIS and Remote Sensing. Our solutions are focused on grid integration of solar and wind energy, as well as on grid stability and energy transport. They are based on four top product lines: Advance Power Integration Solutions Multi-Level Solar Inverters Energy Management Solutions Plug and Play Storage Solutions Plug and Play Storage Solutions Green Dreams TECH's product iCow is a mobile-based agricultural platform providing farmers services and data to help increase productivity based on good agricultural practices. Specialise in the design and installation of water filtration and purification units suitable for rainwater filtration and groundwater filtration for residential, industrial and commercial use. Developer of a crop risk assessment technology intended to address challenges in agriculture using data science. The company's technology helps financial institutions to understand agriculture communities and risks associated with lending farmers by leveraging advancements in remote	https://www.geopoll.com/ http://www.geosas.net/geosas- consulting/index.php https://www.germarkholdings.com http://www.greenpower.es/en/home/ index.html https://www.icow.co.ke https://www.greenchaingroup.com/
58 58 59 60 61 62 63	GeoPoll Geospatial Analytical Services Germark Holdings Limited GPTech Green Dreams TECH Ltd Greenchain Group Griincom Innovated Limited	Kenya South Africa Tanzania Sierra Leone Liberia Guinea Ethiopia Tanzania Spain, South Africa, Chile Kenya Ethiopia Tanzania South Africa Kenya	Information and communication Agriculture; forestry and fishing Information and communication Infrastructure Professional, scientific and technical activities; energy; finance Electricity; gas, steam &; air conditioning supply Agriculture; forestry and fishing Water supply; sewerage, waste management and remediation activities Agriculture; forestry and fishing; Professional Services; Information and	GeoPoll, the mobile engagement platform of Mobile Accord, provides real-time mobile data collection, insights and analytics. Geospatial Analytical Services (GeoSAS) is an Ethiopian private consulting company established in 2007. GeoSAS provides professional services in planning, designing, implementing, monitoring and evaluation of development projects in various sectors, with a focus on climate change and agriculture. The firm specializes in acquisition, processing, analysis and synthesis of geospatial data for various applications using GIS and Remote Sensing. Our solutions are focused on grid integration of solar and wind energy, as well as on grid stability and energy transport. They are based on four top product lines: Advance Power Integration Solutions Multi-Level Solar Inverters Energy Management Solutions Plug and Play Storage Solutions Green Dreams TECH's product iCow is a mobile-based agricultural platform providing farmers services and data to help increase productivity based on good agricultural practices. Specialise in the design and installation of water filtration and purification units suitable for rainwater filtration and groundwater filtration for residential, industrial and commercial use. Developer of a crop risk assessment technology intended to address challenges in agriculture using data science. The company's technology helps financial institutions to understand agriculture communities and risks associated with lending farmers by leveraging advancements in remote sensing satellites and machine learning as well as engages in building accurate	https://www.geopoll.com/ http://www.geosas.net/geosas- consulting/index.php https://www.germarkholdings.com http://www.greenpower.es/en/home/ index.html https://www.icow.co.ke https://www.greenchaingroup.com/
58 58 59 60 61 62 63	GeoPoll Geospatial Analytical Services Germark Holdings Limited GPTech Green Dreams TECH Ltd Greenchain Group Grincom Innovated Limited Groupe Vlan	Kenya South Africa Tanzania Sierra Leone Liberia Guinea Ethiopia Tanzania Spain, South Africa, Chile Kenya Ethiopia Tanzania South Africa Kenya Niger	Information and communication Agriculture; forestry and fishing Information and communication Infrastructure Professional, scientific and technical activities; energy; finance Electricity; gas, steam &; air conditioning supply Agriculture; forestry and fishing Water supply; sewerage, waste management and remediation activities Agriculture Agriculture Agriculture Agriculture Communications; Climate Analyteis	GeoPoll, the mobile engagement platform of Mobile Accord, provides real-time mobile data collection, insights and analytics. Geospatial Analytical Services (GeoSAS) is an Ethiopian private consulting company established in 2007. GeoSAS provides professional services in planning, designing, implementing, monitoring and evaluation of development projects in various sectors, with a focus on climate change and agriculture. The firm specializes in acquisition, processing, analysis and synthesis of geospatial data for various applications using GIS and Remote Sensing. Our solutions are focused on grid integration of solar and wind energy, as well as on grid stability and energy transport. They are based on four top product lines: Advance Power Integration Solutions Multi-Level Solar Inverters Energy Management Solutions Plug and Play Storage Solutions Green Dreams TECH's product iCow is a mobile-based agricultural platform providing farmers services and data to help increase productivity based on good agricultural practices. Specialise in the design and installation of water filtration and purification units suitable for rainwater filtration and groundwater filtration for residential, industrial and commercial use. Developer of a crop risk assessment technology intended to address challenges in agriculture using data science. The company's technology helps financial institutions to understand agriculture communities and risks associated with lending farmers by leveraging advancements in remote sensing satellities and machine leaming as well as engages in bubliding accurate predictive models for crop yields via data collection, data analysis and data	https://www.geopoll.com/ http://www.geosas.net/geosas- consulting/index.php https://www.greenpower.es/en/home/ index.html https://www.icow.co.ke https://www.greenchaingroup.com/ http://www.greenchaingroup.com/
58 58 59 60 61 62 63	GeoPoll Geospatial Analytical Services Germark Holdings Limited GPTech Green Dreams TECH Ltd Greenchain Group Griincom Innovated Limited	Kenya South Africa Tanzania Sierra Leone Liberia Guinea Ethiopia Tanzania Spain, South Africa, Chile Kenya Ethiopia Tanzania South Africa Kenya	Information and communication Agriculture; forestry and fishing Information and communication Infrastructure Professional, scientific and technical activities; energy; finance Electricity; gas, steam &; air conditioning supply Agriculture; forestry and fishing Water supply; sewerage, waste management and remediation activities Agriculture Agriculture; forestry and fishing; Professional Services; Information and Communications; Climate Analyteis Agriculture; forestry and fishing;	GeoPoll, the mobile engagement platform of Mobile Accord, provides real-time mobile data collection, insights and analytics. Geospatial Analytical Services (GeoSAS) is an Ethiopian private consulting company established in 2007. GeoSAS provides professional services in planning, designing, implementing, monitoring and evaluation of development projects in various sectors, with a focus on climate change and agriculture. The firm specializes in acquisition, processing, analysis and synthesis of geospatial data for various applications using GIS and Remote Sensing. Our solutions are focused on grid integration of solar and wind energy, as well as on grid stability and energy transport. They are based on four top product lines: Advance Power Integration Solutions Multi-Level Solar Inverters Energy Management Solutions Plug and Play Storage Solutions Green Dreams TECH's product iCow is a mobile-based agricultural platform providing farmers services and data to help increase productivity based on good agricultural practices. Specialise in the design and installation of water filtration and purification units suitable for rainwater filtration and groundwater filtration for residential, industrial and commercial use. Developer of a crop risk assessment technology intended to address challenges in agriculture using data science. The company's technology helps financial institutions to understand agriculture communities and risks associated with lending farmers by leveraging advancements in remote sensing satellites and machine learning as well as engages in building accurate	https://www.geopoll.com/ http://www.geosas.net/geosas- consulting/index.php https://www.germarkholdings.com http://www.greenpower.es/en/home/ index.html https://www.icow.co.ke https://www.greenchaingroup.com/
57 58 59 60 61 62 63 64	GeoPoll Geospatial Analytical Services Germark Holdings Limited GPTech Green Dreams TECH Ltd Greenchain Group Griincom Innovated Limited Groupe Vlan Harvesting	Kenya South Africa Tanzania Sierra Leone Liberia Guinea Ethiopia Tanzania Spain, South Africa, Chile Kenya Ethiopia Tanzania South Africa Kenya Niger	Information and communication Agriculture; forestry and fishing Information and communication Infrastructure Professional, scientific and technical activities; energy; finance Electricity; gas, steam &; air conditioning supply Agriculture; forestry and fishing Water supply; sewerage, waste management and remediation activities Agriculture Agriculture Agriculture Agriculture Communications; Climate Analyteis	GeoPoll, the mobile engagement platform of Mobile Accord, provides real-time mobile data collection, insights and analytics. Geospatial Analytical Services (GeoSAS) is an Ethiopian private consulting company established in 2007. GeoSAS provides professional services in planning, designing, implementing, monitoring and evaluation of development projects in various sectors, with a focus on climate change and agriculture. The firm specializes in acquisition, processing, analysis and synthesis of geospatial data for various applications using GIS and Remote Sensing. Our solutions are focused on grid integration of solar and wind energy, as well as on grid stability and energy transport. They are based on four top product lines: Advance Power Integration Solutions Multi-Level Solar Inverters Energy Management Solutions Plug and Play Storage Solutions Green Dreams TECH's product iCow is a mobile-based agricultural platform providing farmers services and data to help increase productivity based on good agricultural practices. Specialise in the design and installation of water filtration and purification units suitable for rainwater filtration and groundwater filtration for residential, industrial and commercial use. Developer of a crop risk assessment technology intended to address challenges in agriculture using data science. The company's technology helps financial institutions to understand agriculture communities and risks associated with lending farmers by leveraging advancements in remote sensing satellities and machine leaming as well as engages in bubliding accurate predictive models for crop yields via data collection, data analysis and data	https://www.geopoll.com/ http://www.geosas.net/geosas- consulting/index.php https://www.greenpower.es/en/home/ index.html https://www.icow.co.ke https://www.greenchaingroup.com/ http://www.greenchaingroup.com/
57 58 59 60 61 62 63 64	GeoPoll Geospatial Analytical Services Germark Holdings Limited GPTech Green Dreams TECH Ltd Greenchain Group Griincom Innovated Limited Groupe Vlan Harvesting	Kenya South Africa Tanzania Sierra Leone Liberia Guinea Ethiopia Tanzania Spain, South Africa, Chile Kenya Ethiopia Tanzania South Africa Kenya Niger	Information and communication Agriculture; forestry and fishing Information and communication Infrastructure Professional, scientific and technical activities; energy; finance Electricity; gas, steam &; air conditioning supply Agriculture; forestry and fishing Water supply; sewerage, waste management and remediation activities Agriculture Agriculture; forestry and fishing; Professional Services; Information and Communications; Climate Analyteis Agriculture; forestry and fishing; Professional Services; Information and Communications; Climate Analyteis Agriculture; forestry and fishing Water supply; sewerage, waste	GeoPoll, the mobile engagement platform of Mobile Accord, provides real-time mobile data collection, insights and analytics. Geospatial Analytical Services (GeoSAS) is an Ethiopian private consulting company established in 2007. GeoSAS provides professional services in planning, designing, implementing, monitoring and evaluation of development projects in various sectors, with a focus on climate change and agriculture. The firm specializes in acquisition, processing, analysis and synthesis of geospatial data for various applications using GIS and Remote Sensing. Our solutions are focused on grid integration of solar and wind energy, as well as on grid stability and energy transport. They are based on four top product lines: Advance Power Integration Solutions Multi-Level Solar Inverters Energy Management Solutions Plug and Play Storage Solutions Green Dreams TECH's product iCow is a mobile-based agricultural platform providing farmers services and data to help increase productivity based on good agricultural practices. Specialise in the design and installation of water filtration and purification units suitable for rainwater filtration and groundwater filtration for residential, industrial and commercial use. Developer of a crop risk assessment technology intended to address challenges in agriculture using data science. The company's technology helps financial institutions to understand agriculture communities and risks associated with lending farmers by leveraging advancements in remote sensing satellities and machine leaming as well as engages in bubliding accurate predictive models for crop yields via data collection, data analysis and data	https://www.geopoll.com/ http://www.geosas.net/geosas- consulting/index.php https://www.greenpower.es/en/home/ index.html https://www.icow.co.ke https://www.greenchaingroup.com/ https://www.akurulivinelab https://www.akurulivinelab

				The company designs, manufactures and installs a wide range of water treatment, water purification, and heat transfer equipment and solutions	
				through specialized non-commoditized chemicals in order to provide reliable,	
				efficient, cost-effective, and long-term technological ideas and solutions to its	
			Water supply; sewerage, waste	customers in the municipal, industrial, agricultural/fishing and mining sectors of	
68	Heat Exchange Products	Namibia Nigeria Kenya Afghanistan Bangladesh	management and remediation activities	Namibia.	https://www.hepwater.com/
		Thailand Jamaica Guatemala Global			
		Nigeria, Kenya, Angola, Ghana, Côte		Hello Tractor has developed a low cost monitoring device that when placed on	
		d'Ivoire, Malawi, Mozambique, Senegal,		a tractor provides the owner with powerful software and analytics tools to	
69	Hello Tractor	Tanzania, Uganda	Agriculture; forestry and fishing	ensure tractors are both profitable and properly cared for.	https://www.hellotractor.com
				Developer of a drone technology designed to offer UAV aerial technologies for the civil sector. The company's drone technology improves analytical	
			Information and	processes by combining the capture of aerial data with new information	
			communication Professional, scientific	technologies, enabling clients to generate layers of predictive intelligence of	
70	Hemav	Mexico Brazil Argentina Chile Paraguay Morocco Tunisia	and technical activities; Public Administration and Defense	high added value.	https://hemav.com/en/
70	Heiliav	[WOOCCO] Turisia	Administration and Defense	Developer of a sophisticated monitoring system intended to digitize	nttps://nemav.com/en/
				beekeeping operations. The company's platform uses he power of IoT, AI, and	
				machine learning and is composed of a battery of sensors feeding information	
				to a smartphone app, enabling the beekeeper to monitor their hives remotely and will save their time and labor by more efficient, targeted interventions, as	
71	Honeyflow Africa	Nigeria	Agriculture; forestry and fishing	well as boost their earnings.	http://www.honeyflowafrica.com/
	,		,	Founded in 2017, Hydrol Q is an Africa-based technology company that has	
			Water supply; sewerage, waste	developed a smart water leak detection system that can help to manage,	
	Hydrol Q Ibbie Agtech	Kenya Sub-Saharan Africa Nigeria	management and remediation activities Agriculture/ Supply Chain	monitor, and understand household water usage.	https://www.hydroiq.africa/ http://ibbieagtech.com
/3	TODIE Agrecii	Nigeria	Agriculture Supply Chain	Ignitia has developed a unique algorithm that produces GPS-specific weather	<u>Intpartolicageon.com</u>
				forecasts for the tropics that are twice as accurate as existing global models.	
			Agriculture; forestry and	The algorithm takes into account the convective processes that dictate a	
			fishing Information and communication Professional, scientific	majority of tropical weather events (that global models are not calibrated for) to produce highly accurate 2-day rain forecasts, and also offer monthly and	
74	Ignitia	Ghana Nigeria	and technical activities	seasonal predictions.	https://www.ignitia.se/
75	Igo Company Limited	South Sudan	Energy & Cooling		http://www.igocompanylimited.org
				INCENTABLE Consider A Addition of Discours and Advantage of the Constant	
				INGENIAR [Ingeniería y Análisis de Riesgos] was founded by Omar Darío Cardona Arboleda in 1986 in Manizales city, with the aim of offering	
		Colombia Mexico Venezuela,		specialized services in the field of engineering, planning and public policy, with	
		RB Nicaragua Ecuador Peru Chile Bolivia		emphasis in seismic resistant structure design, urban planning, risk modelling	
	INGENIAR: Risk	Brazil Uruguay Argentina Niger Madag		and disaster risk management, and specialized software development.	
76	Intelligence (INGENIAR CAD/CAE LTDA.)	ascar Comoros Mauritius India Vietnam Thailand Myanmar Nepal	technical activities		http://www.ingeniar-risk.com/en
	,	7		InspiraFarms produces energy-efficient pre-cooling and cold rooms, pack	, ,
				houses and automated ripening chambers; client-centered technical support;	
		Sub-Saharan	Agriculture; forestry and	and affordable asset financing terms that allow agribusinesses cut energy costs, reduce food losses, meet major international food safety certifications,	
77	landa Farma	Jub-Janaian	Agriculture, forestry and	costs, reduce rood rosses, meet major international rood safety certifications,	
,,	InspiraFarms	Africa Kenya Guatemala Rwanda	fishing Transportation and storage	and allow for remote performance monitoring on or off-grid.	https://www.inspirafarms.com/
	Inspirararms	Africa Kenya Guatemala Rwanda	fishing Transportation and storage		https://www.inspirafarms.com/
	inspirararms	Africa Kenya Guatemala Rwanda	fishing Transportation and storage	Integrated Geo-information and Environmental Management Services is an	https://www.inspirafarms.com/
	Inspirar-arms	Africa Kenya Guatemala Rwanda	fishing Transportation and storage	Integrated Geo-information and Environmental Management Services is an Environmental Consulting organization providing cost-effective geo-	https://www.inspirafarms.com/
	Inspirararms	Africa Kenya Guatemala Rwanda	fishing Transportation and storage Professional, scientific and technical	Integrated Geo-information and Environmental Management Services is an	https://www.inspirafarms.com/
	Integems	Africa Kenya Guatemala Rwanda Sierra Leone		Integrated Geo-information and Environmental Management Services is an Environmental Consulting organization providing cost-effective geo- information and environmental management services and solutions to clients	https://www.inspirafarms.com/ https://www.integemsgroup.com
78	Integems Johnfoworade Global	Sierra Leone	Professional, scientific and technical activities	Integrated Geo-information and Environmental Management Services is an Environmental Consulting organization providing cost-effective geo- information and environmental management services and solutions to clients to effectively and efficiently respond to socio-economic, environmental and	https://www.integemsgroup.com
78	Integems		Professional, scientific and technical	Integrated Geo-information and Environmental Management Services is an Environmental Consulting organization providing cost-effective geo- information and environmental management services and solutions to clients to effectively and efficiently respond to socio-economic, environmental and	
78 79	Integems Johnfoworade Global Enterprises	Sierra Leone Nigeria	Professional, scientific and technical activities Agriculture / Finance Water supply; sewerage, waste management and remediation activities;	Integrated Geo-information and Environmental Management Services is an Environmental Consulting organization providing cost-effective geo- information and environmental management services and solutions to clients to effectively and efficiently respond to socio-economic, environmental and	https://www.integemsgroup.com http://www.johnfoworade.com
78 79	Integems Johnfoworade Global	Sierra Leone	Professional, scientific and technical activities Agriculture / Finance Water supply; sewerage, waste management and remediation activities; Agriculture	Integrated Geo-information and Environmental Management Services is an Environmental Consulting organization providing cost-effective geo- information and environmental management services and solutions to clients to effectively and efficiently respond to socio-economic, environmental and	https://www.integemsgroup.com
78 79	Integems Johnfoworade Global Enterprises	Sierra Leone Nigeria	Professional, scientific and technical activities Agriculture / Finance Water supply; sewerage, waste management and remediation activities; Agriculture Administrative and support service	Integrated Geo-information and Environmental Management Services is an Environmental Consulting organization providing cost-effective geo- information and environmental management services and solutions to clients to effectively and efficiently respond to socio-economic, environmental and	https://www.integemsgroup.com http://www.johnfoworade.com
78 79 80	Integems Johnfoworade Global Enterprises Justcleanit Karm Solar	Sierra Leone Nigeria	Professional, scientific and technical activities Agriculture / Finance Water supply; sewerage, waste management and remediation activities; Agriculture	Integrated Geo-information and Environmental Management Services is an Environmental Consulting organization providing cost-effective geo- information and environmental management services and solutions to clients to effectively and efficiently respond to socio-economic, environmental and	https://www.integemsgroup.com http://www.johnfoworade.com http://www.justeleanit.co.ug
78 79 80	Integems Johnfoworade Global Enterprises Justcleanit Karm Solar Khebhandza Marketing	Sierra Leone Nigeria Uganda Egypt, Arab Rep.	Professional, scientific and technical activities Agriculture / Finance Water supply; sewerage, waste management and remediation activities; Agriculture Administrative and support service activities Electricity; gas, steam &; air conditioning supply Energy	Integrated Geo-information and Environmental Management Services is an Environmental Consulting organization providing cost-effective geo-information and environmental management services and solutions to clients to effectively and efficiently respond to socio-economic, environmental and natural resources management challenges and opportunities.	https://www.integemsgroup.com http://www.iohnfoworade.com http://www.justcleanit.co.ug https://www.karmsolar.com/
78 79 80 81	Integems Johnfoworade Global Enterprises Justcleanit Karm Solar Khebhandza Marketing Co. Ltd	Sierra Leone Nigeria Uganda Egypt, Arab Rep. Tanzania	Professional, scientific and technical activities Agriculture / Finance Water supply; sewerage, waste management and remediation activities; Agriculture Administrative and support service activities; Electricity; gas, steam &; air conditioning supply Energy Agriculture	Integrated Geo-information and Environmental Management Services is an Environmental Consulting organization providing cost-effective geo-information and environmental management services and solutions to clients to effectively and efficiently respond to socio-economic, environmental and natural resources management challenges and opportunities.	https://www.integemsgroup.com http://www.iohnfoworade.com http://www.justcleanit.co.ug https://www.karmsolar.com/
78 79 80 81	Integems Johnfoworade Global Enterprises Justcleanit Karm Solar Khebhandza Marketing	Sierra Leone Nigeria Uganda Egypt, Arab Rep.	Professional, scientific and technical activities Agriculture / Finance Water supply; sewerage, waste management and remediation activities; Agriculture Administrative and support service activities Electricity; gas, steam &; air conditioning supply Energy	Integrated Geo-information and Environmental Management Services is an Environmental Consulting organization providing cost-effective geo-information and environmental management services and solutions to clients to effectively and efficiently respond to socio-economic, environmental and natural resources management challenges and opportunities.	https://www.integemsgroup.com http://www.iohnfoworade.com http://www.justcleanit.co.ug https://www.karmsolar.com/
78 79 80 81	Integems Johnfoworade Global Enterprises Justcleanit Karm Solar Khebhandza Marketing Co. Ltd	Sierra Leone Nigeria Uganda Egypt, Arab Rep. Tanzania	Professional, scientific and technical activities Agriculture / Finance Water supply; sewerage, waste management and remediation activities; Agriculture Administrative and support service activities; Electricity; gas, steam &; air conditioning supply Energy Agriculture	Integrated Geo-information and Environmental Management Services is an Environmental Consulting organization providing cost-effective geo-information and environmental management services and solutions to clients to effectively and efficiently respond to socio-economic, environmental and natural resources management challenges and opportunities. Karm Solar provides solar solutions for on grid and off grid customers in Egypt.	https://www.integemsgroup.com http://www.iohnfoworade.com http://www.justcleanit.co.ug https://www.karmsolar.com/
78 79 80 81	Integems Johnfoworade Global Enterprises Justcleanit Karm Solar Khebhandza Marketing Co. Ltd	Sierra Leone Nigeria Uganda Egypt, Arab Rep. Tanzania	Professional, scientific and technical activities Agriculture / Finance Water supply; sewerage, waste management and remediation activities; Agriculture Administrative and support service activities [Electricity; gas, steam &; air conditioning supply Energy Agriculture Energy	Integrated Geo-information and Environmental Management Services is an Environmental Consulting organization providing cost-effective geo-information and environmental management services and solutions to clients to effectively and efficiently respond to socio-economic, environmental and natural resources management challenges and opportunities. Karm Solar provides solar solutions for on grid and off grid customers in Egypt. Kitovu Technology (Nigeria) provides smallholder farmers with data about soil	https://www.integemsgroup.com http://www.iohnfoworade.com http://www.justcleanit.co.ug https://www.karmsolar.com/
78 79 80 81	Integems Johnfoworade Global Enterprises Justcleanit Karm Solar Khebhandza Marketing Co. Ltd	Sierra Leone Nigeria Uganda Egypt, Arab Rep. Tanzania	Professional, scientific and technical activities Agriculture / Finance Water supply; sewerage, waste management and remediation activities; Agriculture Administrative and support service activities Electricity; gas, steam &; air conditioning supply Energy Agriculture Energy Agriculture; Climate Risk Analytics and	Integrated Geo-information and Environmental Management Services is an Environmental Consulting organization providing cost-effective geo-information and environmental management services and solutions to clients to effectively and efficiently respond to socio-economic, environmental and natural resources management challenges and opportunities. Karm Solar provides solar solutions for on grid and off grid customers in Egypt. Kitovu Technology (Nigeria) provides smallholder farmers with data about soil and crop health, storage and market links, through a digital farm productivity	http://www.integemsgroup.com http://www.iohnfoworade.com http://www.iusteleanit.co.ug https://www.karmsolar.com/ http://www.khebhandza.co.tz https://www.kiiikoconservation.com/
78 79 80 81 82 83	Integems Johnfoworade Global Enterprises Justcleanit Karm Solar Khebhandza Marketing Co. Ltd	Sierra Leone Nigeria Uganda Egypt, Arab Rep. Tanzania	Professional, scientific and technical activities Agriculture / Finance Water supply; sewerage, waste management and remediation activities; Agriculture Administrative and support service activities [Electricity; gas, steam &; air conditioning supply Energy Agriculture Energy	Integrated Geo-information and Environmental Management Services is an Environmental Consulting organization providing cost-effective geo-information and environmental management services and solutions to clients to effectively and efficiently respond to socio-economic, environmental and natural resources management challenges and opportunities. Karm Solar provides solar solutions for on grid and off grid customers in Egypt. Kitovu Technology (Nigeria) provides smallholder farmers with data about soil	http://www.integemsgroup.com http://www.iohnfoworade.com http://www.iusteleanit.co.ug https://www.karmsolar.com/ http://www.khebhandza.co.tz https://www.kiiikoconservation.com/
78 79 80 81 82 83	Integems Johnfoworade Global Enterprises Justcleanit Karm Solar Khebhandza Marketing Co. Ltd Kijiko Conservation	Sierra Leone Nigeria Uganda Egypt, Arab Rep. Tanzania Uganda	Professional, scientific and technical activities Agriculture / Finance Water supply; sewerage, waste management and remediation activities; Agriculture Administrative and support service activities Electricity; gas, steam &; air conditioning supply Energy Agriculture Energy Agriculture; Climate Risk Analytics and Risk Management; Information and	Integrated Geo-information and Environmental Management Services is an Environmental Consulting organization providing cost-effective geo-information and environmental management services and solutions to clients to effectively and efficiently respond to socio-economic, environmental and natural resources management challenges and opportunities. Karm Solar provides solar solutions for on grid and off grid customers in Egypt. Kitovu Technology (Nigeria) provides smallholder farmers with data about soil and crop health, storage and market links, through a digital farm productivity platform. Builds resilience to: drought, heat stress, and extreme weather events that reduce crop yields and harm farmer incomes. Provider of an online digital logistics platform intended to connect truck drivers	https://www.integemsgroup.com http://www.iohnfoworade.com http://www.iustcleanit.co.ug https://www.kirscolar.com/ https://www.khebhandza.co.tz https://www.kiiikoconservation.com/
78 79 80 81 82 83	Integems Johnfoworade Global Enterprises Justcleanit Karm Solar Khebhandza Marketing Co. Ltd Kijiko Conservation	Sierra Leone Nigeria Uganda Egypt, Arab Rep. Tanzania Uganda	Professional, scientific and technical activities Agriculture / Finance Water supply; sewerage, waste management and remediation activities; Agriculture Administrative and support service activities Electricity; gas, steam &; air conditioning supply Energy Agriculture Energy Agriculture; Climate Risk Analytics and Risk Management; Information and	Integrated Geo-information and Environmental Management Services is an Environmental Consulting organization providing cost-effective geo-information and environmental management services and solutions to clients to effectively and efficiently respond to socio-economic, environmental and natural resources management challenges and opportunities. Kitovu Technology (Nigeria) provides smallholder farmers with data about soil and crop health, storage and market links, through a digital farm productivity platform. Builds resilience to: drought, heat stress, and extreme weather events that reduce crop yields and harm farmer incomes. Provider of an online digital logistics platform intended to connect truck drivers to freight companies easily. The company's platform offers a vehicle financing	https://www.integemsgroup.com http://www.iohnfoworade.com http://www.iustcleanit.co.ug https://www.kirscolar.com/ https://www.khebhandza.co.tz https://www.kiiikoconservation.com/
78 79 80 81 82 83	Integems Johnfoworade Global Enterprises Justcleanit Karm Solar Khebhandza Marketing Co. Ltd Kijiko Conservation	Sierra Leone Nigeria Uganda Egypt, Arab Rep. Tanzania Uganda	Professional, scientific and technical activities Agriculture / Finance Water supply; sewerage, waste management and remediation activities; Agriculture Administrative and support service activities Electricity; gas, steam &; air conditioning supply Energy Agriculture Energy Agriculture; Climate Risk Analytics and Risk Management; Information and	Integrated Geo-information and Environmental Management Services is an Environmental Consulting organization providing cost-effective geo-information and environmental management services and solutions to clients to effectively and efficiently respond to socio-economic, environmental and natural resources management challenges and opportunities. Karm Solar provides solar solutions for on grid and off grid customers in Egypt. Kitovu Technology (Nigeria) provides smallholder farmers with data about soil and crop health, storage and market links, through a digital farm productivity platform. Builds resilience to: drought, heat stress, and extreme weather events that reduce crop yields and harm farmer incomes. Provider of an online digital logistics platform intended to connect truck drivers to freight companies easily. The company's platform offers a vehicle financing program through which drivers can finance new trucks through citizen	https://www.integemsgroup.com http://www.iohnfoworade.com http://www.iustcleanit.co.ug https://www.kirscolar.com/ https://www.khebhandza.co.tz https://www.kiiikoconservation.com/
78 79 80 81 82 83	Integems Johnfoworade Global Enterprises Justcleanit Karm Solar Khebhandza Marketing Co. Ltd Kijiko Conservation	Sierra Leone Nigeria Uganda Egypt, Arab Rep. Tanzania Uganda	Professional, scientific and technical activities Agriculture / Finance Water supply; sewerage, waste management and remediation activities; Agriculture Administrative and support service activities Electricity; gas, steam &; air conditioning supply Energy Agriculture Energy Agriculture; Climate Risk Analytics and Risk Management; Information and	Integrated Geo-information and Environmental Management Services is an Environmental Consulting organization providing cost-effective geo-information and environmental management services and solutions to clients to effectively and efficiently respond to socio-economic, environmental and natural resources management challenges and opportunities. Kitovu Technology (Nigeria) provides smallholder farmers with data about soil and crop health, storage and market links, through a digital farm productivity platform. Builds resilience to: drought, heat stress, and extreme weather events that reduce crop yields and harm farmer incomes. Provider of an online digital logistics platform intended to connect truck drivers to freight companies easily. The company's platform offers a vehicle financing	https://www.integemsgroup.com http://www.iohnfoworade.com http://www.iustcleanit.co.ug https://www.kirscolar.com/ https://www.khebhandza.co.tz https://www.kiiikoconservation.com/
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78 79 80 81 82 83 83	Integems Johnfoworade Global Enterprises Justcleanit Karm Solar Khebhandza Marketing Co. Ltd Kijiko Conservation	Sierra Leone Nigeria Uganda Egypt, Arab Rep. Tanzania Uganda Nigeria Nigeria Kenya Uganda Togo Ghana Côt e d'Ivoire Burkina Faso	Professional, scientific and technical activities Agriculture / Finance Water supply; sewerage, waste management and remediation activities; Agriculture Administrative and support service activities [Electricity; gas, steam &; air conditioning supply Energy Agriculture Energy Agriculture; Climate Risk Analytics and Risk Management; Information and Communication Transportation and storage	Integrated Geo-information and Environmental Management Services is an Environmental Consulting organization providing cost-effective geo-information and environmental management services and solutions to clients to effectively and efficiently respond to socio-economic, environmental and natural resources management challenges and opportunities. Kitovu Technology (Nigeria) provides smallholder farmers with data about soil and crop health, storage and market links, through a digital farm productivity platform. Builds resilience to: drought, heat stress, and extreme weather events that reduce crop yields and harm farmer incomes. Provider of an online digital logistics platform intended to connect truck drivers to freight companies easily. The company's platform offers a vehicle financing program through which drivers can finance new trucks through clitzen investors and pay them back directly over a 60 month period, enabling clients to receive freight trips and logistics related assistance. KOFAR Ltd is a social enterprise that processes fortified compost from vegetative waste and sells this as a product with soil conditioners to reverse	https://www.integemsgroup.com http://www.iohnfoworade.com http://www.justeleanit.co.ug https://www.karmsolar.com/ http://www.khebhandza.co.tz https://www.kiiikoconservation.com/ https://www.kiiikoconservation.com/
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78 79 80 81 82 83 83	Integems Johnfoworade Global Enterprises Justcleanit Karm Solar Khebhandza Marketing Co. Ltd Kijiko Conservation	Sierra Leone Nigeria Uganda Egypt, Arab Rep. Tanzania Uganda Nigeria Nigeria Kenya Uganda Togo Ghana Côt e d'Ivoire Burkina Faso	Professional, scientific and technical activities Agriculture / Finance Water supply; sewerage, waste management and remediation activities; Agriculture Administrative and support service activities [Electricity; gas, steam &; air conditioning supply Energy Agriculture Energy Agriculture; Climate Risk Analytics and Risk Management; Information and Communication Transportation and storage	Integrated Geo-information and Environmental Management Services is an Environmental Consulting organization providing cost-effective geo-information and environmental management services and solutions to clients to effectively and efficiently respond to socio-economic, environmental and natural resources management challenges and opportunities. Kitovu Technology (Nigeria) provides smallholder farmers with data about soil and crop health, storage and market links, through a digital farm productivity platform. Builds resilience to: drought, heat stress, and extreme weather events that reduce crop yields and harm farmer incomes. Provider of an online digital logistics platform intended to connect truck drivers to freight companies easily. The company's platform offers a vehicle financing program through which drivers can finance new trucks through clitzen investors and pay them back directly over a 60 month period, enabling clients to receive freight trips and logistics related assistance. KOFAR Ltd is a social enterprise that processes fortified compost from vegetative waste and sells this as a product with soil conditioners to reverse	https://www.integemsgroup.com http://www.iohnfoworade.com http://www.justeleanit.co.ug https://www.karmsolar.com/ http://www.khebhandza.co.tz https://www.kiiikoconservation.com/ https://www.kiiikoconservation.com/
78 79 80 81 82 83 84	Integems Johnfoworade Global Enterprises Justcleanit Karm Solar Khebhandza Marketing Co. Ltd Kijiko Conservation	Sierra Leone Nigeria Uganda Egypt, Arab Rep. Tanzania Uganda Nigeria Nigeria Nigeria Kenya Uganda Togo Ghana Côt e d'Ivoire Burkina Faso Kenya	Professional, scientific and technical activities Agriculture / Finance Water supply; sewerage, waste management and remediation activities; Agriculture Administrative and support service activities Electricity; gas, steam &; air conditioning supply Energy Agriculture Energy Agriculture; Climate Risk Analytics and Risk Management; Information and Communication Transportation and storage Agriculture; forestry and fishing Information and communication;	Integrated Geo-information and Environmental Management Services is an Environmental Consulting organization providing cost-effective geo-information and environmental management services and solutions to clients to effectively and efficiently respond to socio-economic, environmental and natural resources management challenges and opportunities. Karm Solar provides solar solutions for on grid and off grid customers in Egypt. Kitovu Technology (Nigeria) provides smallholder farmers with data about soil and crop health, storage and market links, through a digital farm productivity platform. Builds resilience to: drought, heat stress, and extreme weather events that reduce crop yields and harm farmer incomes. Provider of an online digital logistics platform intended to connect truck drivers to freight companies easily. The company's platform offers a vehicle financing program through which drivers can finance new trucks through citizen investors and pay them back directly over a 60 month period, enabling clients to receive freight trips and logistics related assistance. KOFAR Ltd is a social enterprise that processes fortified compost from vegetative waste and sells his as a product with soil conditioners to reverse acidity, boost moisture retention and increase quality yields for farmers. Kukua is a social enterprise/tech company that began operations in 2015 in Tanzania.	http://www.integemsgroup.com http://www.iohnfoworade.com http://www.iusteleanit.co.ug https://www.karmsolar.com/ http://www.khebhandza.co.tz https://www.kiiikoconservation.com/ https://www.kiiikoconservation.com/
78 79 80 81 82 83 84	Integems Johnfoworade Global Enterprises Justcleanit Karm Solar Khebhandza Marketing Co. Ltd Kijiko Conservation Kitovu Kobo360 KOFAR	Sierra Leone Nigeria Uganda Egypt, Arab Rep. Tanzania Uganda Nigeria Nigeria Nigeria Kenya Uganda Togo Ghana Côt e d'Ivoire Burkina Faso Kenya	Professional, scientific and technical activities Agriculture / Finance Water supply; sewerage, waste management and remediation activities; Agriculture Administrative and support service activities Electricity; gas, steam &; air conditioning supply Energy Agriculture Energy Agriculture; Climate Risk Analytics and Risk Management; Information and Communication Transportation and storage Agriculture; forestry and fishing Information and communication; professional, Scientific, and technical	Integrated Geo-information and Environmental Management Services is an Environmental Consulting organization providing cost-effective geo-information and environmental management services and solutions to clients to effectively and efficiently respond to socio-economic, environmental and natural resources management challenges and opportunities. Kitovu Technology (Nigeria) provides smallholder farmers with data about soil and crop health, storage and market links, through a digital farm productivity platform. Builds resilience to: drought, heat stress, and extreme weather events that reduce crop yields and harm farmer incomes. Provider of an online digital logistics platform intended to connect truck drivers to freight companies easily. The company's platform offers a vehicle financing program through which drivers can finance new trucks through clitizen investors and pay them back directly over a 60 month period, enabling clients to receive freight trips and logistics related assistance. KOFAR Ltd is a social enterprise that processes fortified compost from vegetative waste and sells this as a product with soil conditioners to reverse acidity, boost moisture retention and increase quality yields for farmers. Kukua is a social enterprise/tech company that began operations in 2015 in Tanzania.	https://www.integemsgroup.com http://www.iohnfoworade.com http://www.iustcleanit.co.ug https://www.kirsolar.com/ https://www.khebhandza.co.tz https://www.kiiikoconservation.com/ https://www.kiiikoconservation.com/ https://www.kitovu.com.ng/
78 79 80 81 82 83 84	Integems Johnfoworade Global Enterprises Justcleanit Karm Solar Khebhandza Marketing Co. Ltd Kijiko Conservation Kitovu Kobo360 KOFAR	Sierra Leone Nigeria Uganda Egypt, Arab Rep. Tanzania Uganda Nigeria Nigeria Nigeria Kenya Uganda Togo Ghana Côt e d'Ivoire Burkina Faso Kenya	Professional, scientific and technical activities Agriculture / Finance Water supply; sewerage, waste management and remediation activities; Agriculture Administrative and support service activities Electricity; gas, steam &; air conditioning supply Energy Agriculture Energy Agriculture; Climate Risk Analytics and Risk Management; Information and Communication Transportation and storage Agriculture; forestry and fishing Information and communication; professional, Scientific, and technical	Integrated Geo-information and Environmental Management Services is an Environmental Consulting organization providing cost-effective geo-information and environmental management services and solutions to clients to effectively and efficiently respond to socio-economic, environmental and natural resources management challenges and opportunities. Kitovu Technology (Nigeria) provides smallholder farmers with data about soil and crop health, storage and market links, through a digital farm productivity platform. Builds resilience to: drought, heat stress, and extreme weather events that reduce crop yields and harm farmer incomes. Provider of an online digital logistics platform intended to connect truck drivers to freight companies easily. The company's platform offers a vehicle financing program through which drivers can finance new trucks through clitzen investors and pay them back directly over a 60 month period, enabling clients to receive freight trips and logistics related assistance. KOFAR Ltd is a social enterprise that processes fortified compost from vegetative waste and sells this as a product with soil conditioners to reverse acidity, boost moisture retention and increase quality yields for farmers. Kukua is a social enterprise/tech company that began operations in 2015 in Tanzania.	https://www.integemsgroup.com http://www.iohnfoworade.com http://www.iustcleanit.co.ug https://www.kirsolar.com/ https://www.khebhandza.co.tz https://www.kiiikoconservation.com/ https://www.kiiikoconservation.com/ https://www.kitovu.com.ng/
78 79 80 81 82 83 84	Integems Johnfoworade Global Enterprises Justcleanit Karm Solar Khebhandza Marketing Co. Ltd Kijiko Conservation Kitovu Kobo360 KOFAR	Sierra Leone Nigeria Uganda Egypt, Arab Rep. Tanzania Uganda Nigeria Nigeria Nigeria Kenya Uganda Togo Ghana Côt e d'Ivoire Burkina Faso Kenya	Professional, scientific and technical activities Agriculture / Finance Water supply; sewerage, waste management and remediation activities; Agriculture Administrative and support service activities Electricity; gas, steam &; air conditioning supply Energy Agriculture Energy Agriculture; Climate Risk Analytics and Risk Management; Information and Communication Transportation and storage Agriculture; forestry and fishing Information and communication; professional, Scientific, and technical	Integrated Geo-information and Environmental Management Services is an Environmental Consulting organization providing cost-effective geo-information and environmental management services and solutions to clients to effectively and efficiently respond to socio-economic, environmental and natural resources management challenges and opportunities. Kitovu Technology (Nigeria) provides smallholder farmers with data about soil and crop health, storage and market links, through a digital farm productivity platform. Builds resilience to: drought, heat stress, and extreme weather events that reduce crop yields and harm farmer incomes. Provider of an online digital logistics platform intended to connect truck drivers to freight companies easily. The company's platform offers a vehicle financing program through which drivers can finance new trucks through clitizen investors and pay them back directly over a 60 month period, enabling clients to receive freight trips and logistics related assistance. KOFAR Ltd is a social enterprise that processes fortified compost from vegetative waste and sells this as a product with soil conditioners to reverse acidity, boost moisture retention and increase quality yields for farmers. Kukua is a social enterprise/tech company that began operations in 2015 in Tanzania.	https://www.integemsgroup.com http://www.iohnfoworade.com http://www.iustcleanit.co.ug https://www.kirsolar.com/ https://www.khebhandza.co.tz https://www.kiiikoconservation.com/ https://www.kiiikoconservation.com/ https://www.kitovu.com.ng/
78 79 80 81 82 83 84 84 85	Integems Johnfoworade Global Enterprises Justcleanit Karm Solar Khebhandza Marketing Co. Ltd Kijiiko Conservation Kitovu Kobo360 KOFAR Kukua Weather Services	Sierra Leone Nigeria Uganda Egypt, Arab Rep. Tanzania Uganda Nigeria Nigeria Nigeria Kenya Uganda Togo Ghana Côt e d'Ivoire Burkina Faso Kenya Tanzania, Netherlands	Professional, scientific and technical activities Agriculture / Finance Water supply; sewerage, waste management and remediation activities; Agriculture Administrative and support service activities Electricity; gas, steam &; air conditioning supply Energy Agriculture Energy Agriculture; Climate Risk Analytics and Risk Management; Information and Communication Transportation and storage Agriculture; forestry and fishing Information and communication; Professional, Scientific, and technical activities; weather	Integrated Geo-information and Environmental Management Services is an Environmental Consulting organization providing cost-effective geo-information and environmental management services and solutions to clients to effectively and efficiently respond to socio-economic, environmental and natural resources management challenges and opportunities. Kitovu Technology (Nigeria) provides smallholder farmers with data about soil and crop health, storage and market links, through a digital farm productivity platform. Builds resilience to: drought, heat stress, and extreme weather events that reduce crop yields and harm farmer incomes. Provider of an online digital logistics platform intended to connect truck drivers to freight companies easily. The company's platform offers a vehicle financing program through which drivers can finance new trucks through clitizen investors and pay them back directly over a 60 month period, enabling clients to receive freight trips and logistics related assistance. KOFAR Ltd is a social enterprise that processes fortified compost from vegetative waste and sells this as a product with soil conditioners to reverse acidity, boost moisture retention and increase quality yields for farmers. Kukua is a social enterprise/tech company that began operations in 2015 in Tanzania. Producer of nutritional products intended to pioneer superfood Maringá. The company's products include Maringá energy bars, organic Maringá powder, organic Maringá green smoothie mixes and Maringá green energy shots that provide a good source of plant protein, iron, vitamins and antioxidants, enabling consumers to have healthy food and improve their health. Maringá is	http://www.integemsgroup.com http://www.iohnfoworade.com http://www.iusteleanit.co.ug https://www.karmsolar.com/ http://www.khebhandza.co.tz https://www.kiiikoconservation.com/ https://www.kiiikoconservation.com/ https://www.kitovu.com.ng/ https://www.kitovu.com/ https://www.kobo360.com/
78 79 80 81 82 83 84 84 85	Integems Johnfoworade Global Enterprises Justcleanit Karm Solar Khebhandza Marketing Co. Ltd Kijiko Conservation Kitovu Kobo360 KOFAR	Sierra Leone Nigeria Uganda Egypt, Arab Rep. Tanzania Uganda Nigeria Nigeria Nigeria Kenya Uganda Togo Ghana Côt e d'Ivoire Burkina Faso Kenya	Professional, scientific and technical activities Agriculture / Finance Water supply; sewerage, waste management and remediation activities; Agriculture Administrative and support service activities Electricity; gas, steam &; air conditioning supply Energy Agriculture Energy Agriculture; Climate Risk Analytics and Risk Management; Information and Communication Transportation and storage Agriculture; forestry and fishing Information and communication; professional, Scientific, and technical	Integrated Geo-information and Environmental Management Services is an Environmental Consulting organization providing cost-effective geo-information and environmental management services and solutions to clients to effectively and efficiently respond to socio-economic, environmental and natural resources management challenges and opportunities. Kitovu Technology (Nigeria) provides smallholder farmers with data about soil and crop health, storage and market links, through a digital farm productivity platform. Builds resilience to: drought, heat stress, and extreme weather events that reduce crop yields and harm farmer incomes. Provider of an online digital logistics platform intended to connect truck drivers to freight companies easily. The company's platform offers a vehicle financing program through which drivers can finance new trucks through clitzen investors and pay them back directly over a 60 month period, enabling clients to receive freight trips and logistics related assistance. KOFAR Ltd is a social enterprise that processes fortified compost from vegetative waste and sells this as a product with soil conditioners to reverse acidity, boost moisture retention and increase quality yields for farmers. Kukua is a social enterprise/tech company that began operations in 2015 in Tanzania. Producer of nutritional products intended to pioneer superfood Maringá. The company's products include Maringá energy bars, organic Maringá green energy shots that provide a good source of plant protein, iron, vitamins and antitoxidants, enabling consumers to have healthy food and improve their health. Maringá is a nutritional, climate smart crop grown in West Afrixa.	https://www.iohnfoworade.com http://www.johnfoworade.com http://www.justcleanit.co.ug https://www.karmsolar.com/ http://www.khebhandza.co.tz https://www.kiiikoconservation.com/ https://www.kiiikoconservation.com/ https://www.kitovu.com.ng/ https://www.kobo360.com/ https://www.fos.com/kukuaweatherservices
78 79 80 81 82 83 84 85 86 87	Integems Johnfoworade Global Enterprises Justcleanit Karm Solar Khebhandza Marketing Co. Ltd Kijiiko Conservation Kitovu Kobo360 KOFAR Kukua Weather Services	Sierra Leone Nigeria Uganda Egypt, Arab Rep. Tanzania Uganda Nigeria Nigeria Nigeria Kenya Uganda Togo Ghana Côt e d'Ivoire Burkina Faso Kenya Tanzania, Netherlands	Professional, scientific and technical activities Agriculture / Finance Water supply; sewerage, waste management and remediation activities; Agriculture Administrative and support service activities Electricity; gas, steam &; air conditioning supply Energy Agriculture Energy Agriculture; Climate Risk Analytics and Risk Management; Information and Communication Transportation and storage Agriculture; forestry and fishing Information and communication; Professional, Scientific, and technical activities; weather	Integrated Geo-information and Environmental Management Services is an Environmental Consulting organization providing cost-effective geo-information and environmental management services and solutions to clients to effectively and efficiently respond to socio-economic, environmental and natural resources management challenges and opportunities. Kitovu Technology (Nigeria) provides smallholder farmers with data about soil and crop health, storage and market links, through a digital farm productivity platform. Builds resilience to: drought, heat stress, and extreme weather events that reduce crop yields and harm farmer incomes. Provider of an online digital logistics platform intended to connect truck drivers to freight companies easily. The company's platform offers a vehicle financing program through which drivers can finance new trucks through clitizen investors and pay them back directly over a 60 month period, enabling clients to receive freight trips and logistics related assistance. KOFAR Ltd is a social enterprise that processes fortified compost from vegetative waste and sells this as a product with soil conditioners to reverse acidity, boost moisture retention and increase quality yields for farmers. Kukua is a social enterprise/tech company that began operations in 2015 in Tanzania. Producer of nutritional products intended to pioneer superfood Maringá. The company's products include Maringá energy bars, organic Maringá powder, organic Maringá green smoothie mixes and Maringá green energy shots that provide a good source of plant protein, iron, vitamins and antioxidants, enabling consumers to have healthy food and improve their health. Maringá is	https://www.iohnfoworade.com http://www.johnfoworade.com http://www.justcleanit.co.ug https://www.karmsolar.com/ http://www.khebhandza.co.tz https://www.kiiikoconservation.com/ https://www.kiiikoconservation.com/ https://www.kitovu.com.ng/ https://www.kobo360.com/ https://www.fos.com/kukuaweatherservices

	Lentera Africa	Kenya	Agriculture; forestry and fishing	Lentera Limited was established in 2016 and is in the business of silicon organic fertilizer. The company's main product is silicon foliar feed. The company manufactures a blend of fertilizers that increases plant tolerance to dry weather conditions and increases overall yields. Lentera's silicon fertilizer not only ensures well-nourished plants, but also restores the soil to its natural healthy self.	https://lenterafrica.com/
91	Leorganic Africa Ltd.	Kenya	Agriculture	Development of an artificial partial and affirm that and address on the first the artificial for the same	nup://www.ieorganicarrica.com
92	Lori Systems	Uganda Nigeria Kenya	Transportation and storage Agriculture; Climate Risk Analytics and Risk Management; Information and	Developer of an online logistics platform intended to revolutionize the cargo- transport value chain in Africa. The company's platform enables the logistics space to operate at an order of magnitude more efficiently, can optimize truck utilization and also handles invoicing, payment and tracking, enabling clients to handle their logistics issues efficiently and quickly.	http://www.lorisystems.com/
93	Made In Congo	République du Congo	Communication		http://www.gsk-agrifood.com
	Madumbi Sustainable Agriculture	South Africa Sub-Saharan Africa Mauritius Ethiopia Kenya Tanzania Con go, Dem. Rep. Nigeria Nigeri Mali Senegal Guinea	Agriculture; forestry and fishing Agriculture; forestry and fishing Human health and social work activities Water	Marketing and distribution company in Sub-Saharan Africa. The company provides bioinoculant, biostimulant, biorational services from seed to fork, that consists of pest and disease control products, plant health and stimulation products, micro-organism based on natural resources, insecticides and pesticides that helps in healthy, high yielding, high quality crops and avoid depleting of soil and reduces suppression of fungal plant diseases on crops Manobi Africa provides expertise in integrated GIS systems and web-mobile convergence. Their most successful products target the agricultural sector	https://madumbi.co.za/
		Sierra Leone Côte	supply; sewerage, waste management	within which Manobi offers a catalog of integrated services that enable their	
95	Manobi Africa	d'Ivoire Ghana Burkina Faso Benin	and remediation activities	partners to deploy services in the field.	https://www.manobi.com/
	Manstrat Agricultural Intelligence Solutions Meridia	South Africa Ghana Indonesia Malawi Lithuania Neth erlands Côte d'Ivoire	Agriculture; forestry and fishing Real estate activities	Manstrat Agricultural Intelligence Solutions is a South African developer of intermet based agricultural decision support systems. The team comprises of agriculturists and IT specialists that work to facilitate the implementation of economically viable and sustainable faming systems through the provision of updated, relevant and appropriate information to the agricultural industry. Meridia offers smallholder farmers with affordable land documentation.	http://www.manstratais.co.za/ https://www.meridia.land/
		CI.	F		https://www.linkedin.com/in/matthew-
	Modcoal	Ghana United States Haiti Guatemala Egypt, Arab Rep. Nepal Bangladesh Myanmar Philip pines India Zambia Rwanda Botswana	Energy Agriculture; forestry and fishing Human health and social work activities Information and communication Professional, scientific and technical activities Water supply; sewerage, waste management and remediation activities	mPower is a social enterprise aiming to solve development challenges using technology. Their global team of multi-disciplinary experts co-design with partners to iteratively learn and solve development challenges in areas of climate change, health, water and sanitation, agriculture, livestock, fisheries, governance and humanitarian issues among others.	baba-nanpuan-368a9197 http://www.mpower-social.com/
100	Netsys	South Africa	Information and communication; Professional, Scientific, and technical activities; weather	NetSys is a leader in delivering complex telecommunication and meteorological data-processing solutions. Apart from supplying premier WMO and ICAO compliant Message Switching as well as Weather Visualization Systems, NetSys is also a leader in SADIS, WIFS and EUMETSat Reception Station provision and in partnership with some of our customers are actively advancing the development of the Weather Information Exchange Model (WXXM). Of late we are also successfully addressing the needs of NOTAM office	http://www.netsys.aero/
101	Ngirwi Sarl	Sénégal	Agriculture; Supply Chain		http://ngirwisarl.com
102	Novfeed	Tanzania	Agriculture; waste		https://novfeed.com
			Water supply; sewerage, waste	Nuwater provides solutions and services for the treatment, reclamation and re-	
103	NuWater	South Africa	management and remediation activities Electricity; gas, steam &; air conditioning supply Water supply; sewerage, waste	use of wastewater as well as the desalination of sea and brackish water. OffGridBox develops and installs water purification systems and renewable	https://www.nuwater.com/
104	Offgrid Box	Italy United States Rwanda Tanzania	management and remediation activities	energy technology in remote areas in Africa.	https://www.offgridbox.com
			Electricity; gas, steam &; air conditioning	Provider of high-quality solar products on an affordable financing plan for off-	
	Oolu	Mali Niger Nigeria Burkina Faso	supply	grid communities in West Africa.	https://oolusolar.com/
	Paraexcel Global Limited Peepoole	Nigeria Kenya Sub-Saharan Africa South Africa Congo, Dem. Rep. South Sudan Pakistan Bangladesh New Zealand Philippines Syrian Arab Republic Haiti	Agriculture/ Supply Chain Human health and social work activities Water supply; sewerage, waste management and remediation activities	Peepoo is a personal, single-use, self-sanitizing, fully biodegradable tollet that prevents feces from contaminating the immediate area as well as the surrounding ecosystem. After use, Peepoo turns into valuable fertilizer that can improve livelihoods and increase food security. PEG Africa is a leader in deploying and financing solar to households and SMEs in West Africa. Via its PAYG financing model, it enables customers to replace	http://www.phytorbit.com http://www.peepoople.com/
108	PEG	Ghana Sub-Saharan Africa Côte d'Ivoire Senegal Mali	Electricity; gas, steam &; air conditioning supply	in West Africa. Via its PAYG innancing model, it enables customers to replace their perpetuals spending on poor-quality polluting fuels such as kerosene and diesel with solar energy. PEG is currently serving hundreds of thousands of daily users in Ghana, Cote d'Ivoire, Senegal and Mali, and has recently expanded its capabilities to include solar water irrigation and bigger solar power systems for SMEs.	https://pegafrica.com/
	Plantix	India Egypt, Arab Rep. Pakistan United Kingdom Global Malaysia Australia Tan zania	Agriculture; forestry and fishing	Plantix is an app which provides customers with tools to improve agricultural yields using image recognition software to diagnose and offer treatments for pest, disease, and/or nutrient deficiency problems. The software covers 30 major crops, detects 500 plant damages, is available in 18 languages and has more than 15 million downloads.	https://plantix.net/en/
				PowerGen is the leading developer of distributed renewable energy in Africa.	
	PowerGen Renewable	Kenya Nigeria Sierra	Electricity; gas, steam &; air conditioning	PowerGen's vision is to provide 1 million customers with clean, reliable and	
111	Energy Pula Rafode Ltd	Leone Tanzania Benin Kenya Malawi Zambia Nigeria, Madagascar, Mozambique, Uganda, Rwanda, Ethiopia, Mali, Senegal, Ghana, Togo, Cote D Ivoire Kenya	supply Agriculture; forestry and fishing Finance and Insurance Activities Energy; Finance	affordable power by 2030. Pula is radically restructuring agricultural insurance, using technology to help insure the previously unbanked, uninsured and untapped market of smallholder farmers.	https://www.powergen-re.com/ https://www.pula-advisors.com http://www.rafode.co.ke
113	Re-Basket	Zimbabwe	Agriculture; Big Data		http://re-basket.com
			Energy; Professional, Scientific and technical activities; Climate Risk		

				Rejuvenate! Umhlaba is a land restoration company that was founded in 2019.	
				Our name resonates with our deep seated desire to ensure that land in Africa is	
				revived and productive, supporting the blooming African population and beyond. We are developing an exchange for land restoration where	
				companies that have a net negative impact on the land buy a share which	
115	Rejuvenate! Umhlaba	Zimbabwe	Agriculture; forestry and fishing	entitles them to 1 hectare of land rehabilitated by us and other restorers.	https://rejuvenateumhlaba.co
				Releaf invents and operates proprietary technology to reduce post-harvest loss in the oil palm sector. We buy palm nuts from smallholders in Nigeria and	
116	Releaf	Nigeria	Agriculture; forestry and fishing	provide extension services. There are 4M oil palm smallholders contributing 80% of Nigeria's supply of palm oil.	https://www.releaf.africa/
			The state of the s	Since its founding in 2008, Renewvia has designed, installed, owned and	,
				operated over 80 megawatts (MW) of power across the United States, Pacific	
				Islands, South America and sub-Saharan Africa. Projects range from equipping large industrial farms with up to 60 MW of renewable energy to constructing	
				2.5 MW distributed rooftop solar arrays for industrial facilities and 50 kilowatt	
				(kW) systems for small commercial buildings, along with hybrid and	
				standalone solar microgrids of varying size in remote, hard-to-reach	
				communities. Currently the company is developing clean energy projects where the most expensive fuel source is burned to create power. Power costs	
				for businesses in these areas are crippling and many times large capital	
			Electricity; gas, steam &; air conditioning	$expenditures \ are \ not \ feasible \ for \ business \ owners \ regardless \ of \ the \ associated$	
117	Renewvia	United States, Kenya, Nigeria, Rwanda	supply	returns.	https://www.renewvia.com
			Electricity; gas, steam &; air conditioning	Rensource Energy is a leading provider of off-grid energy. It is using best-in- class technology, financial innovation, and a robust operational infrastructure	
118	Rensource	Nigeria	supply	to build West Africa's largest portfolio of microutilities.	https://www.rensource.energ
				Resurgence is a design, technology and consulting company that specialises in	
				climate risk, resilience and inclusive multi-hazard early warning services. The	
				company has award-winning expertise in co-designing early warning systems with national, municipal and community stakeholders, and in supporting	
				governments and cities to develop the data infrastructure to manage and	
119	Resurgence	Jamaica Kenya Tanzania Uganda	Information and communication	reduce climate risk.	https://www.resurgence.io
	n 1.5.	6 11 46:		Using EMI soil scanners, Satellites and Drones, Revolut provides insight to crop	
120	Revolute Systems	South Africa	Information and communication Climate Risk Analytics and Risk	information	https://www.revolutesystems
121	Risk Based Solutions	Zimbabwe	Management Management		http://www.riskbasedleader.co
				Water Management with engineering and technological solutions to assess	
			Water supply source	risk and provide the cleanest water possible.	
122	Rolfes Water	South Africa	Water supply; sewerage, waste management and remediation activities		http://www.rolfeswater.com/
				Rwanda Biosolution produces organic fertilizers from grass and domestic	
123	Rwanda Biosolution	Rwanda	Agriculture	wastes.	https://rwandabiosolution.com
				Safi Organics uses technology to desentralise and deserting	
				Safi Organics uses technology to decentralize and downsize fertilizer production, making it possible for rural Kenyan villages to use their own locally	
124	Safi Organics	Kenya	Agriculture; forestry and fishing	available resources, labor, and waste and improve their yields up to 30%.	http://safiorganics.co.ke/
				Sanergy manufactures and operates low-cost, high-quality Fresh Life toilets for	
				Nairobi's slums. Sanergy also collects and converts waste from the toilets into	
				fertilizer and animal feed for commercial and smallholder farms. The fertilizer helps restore soil health in Kenya, where 80 percent of the people rely on	
			Water supply; sewerage, waste	agriculture for their livelihoods. Due to soil degradation, farm productivity has	
125	Sanergy	Kenya	management and remediation activities	been declining, and there is a demand for 270 mil	http://www.sanergy.com/
				Provider of an on-demand delivery platform designed to offer door-to-door	
				delivery and transportation services. The company's easy-to-use delivery platform schedules, tracks, and pays for all deliveries, connects riders and	
				offers cashless payments via mobile, enabling users to manage all their	
				deliveries from one spot, access reporting tools and save on logistics costs.	
120	Sondy	Konya	Transportation and stome -	Also offers transport of loose or containerized cargo across East Africa using	http://www.conduit/
	Sendy Simec	Kenya Rwanda	Transportation and storage Agriculture; Water	Sendy Freight.	http://www.sendyit.com/
			-		
				We manufacture $SmartRoot^{TM}.$ A biofertilizer containing living cells of	
				mycorrhizal fungi, with the ability to mobilize nutrients and water for plant use	
				through biological processes. This increases crop yields and improves crop resistance to water stress and harmful pathogens. SmartRoot™ products are	
				for use in a wide range of crops production systems and crop varieties; home	
	SmartRoot	South Africa	Agriculture; forestry and fishing	gardening, nurseries subsistence/smallholder farming, and organic farming.	https://smartroot.co.za/
129	Solar Floppy	Egypt, Kenya, Tanzania	Water; Agriculture	Solar powered irrigation	https://solarfloppy.com
				The company is a manufacturer of sustainable water purification systems designed to produce pure drinking water from contaminated sources under	
				very difficult conditions. The company's filtration systems remove all	
				impurities, bacteria, viruses and other contaminants from the feed water,	
		w 10 m	Water supply; sewerage, waste	leaving only high-quality water as the end product, enabling clients to offer	10 11 1
130	Solar Water Solutions	Kenya Namibia	management and remediation activities	safe and affordable water locally in remote locations. Provides access to clean energy and financing solutions for solar home, small-	https://solarwatersolutions.fi/
131	SolarNow	Uganda	Energy, Agriculture.	business, agriculture and corporate systems in Sub-Saharan Africa	https://www.solarnow.eu/
				Off-grid solar home systems with a pay-as-you-go service.	
				Manufacturer of solar products intended to avail high-quality solar products for	
				lighting and low voltage electricity provisions. The company's products help	
				derive power of the sun to provide a source of light and charge devices for lighting and low voltage electricity provision, enabling clients to improve the	
				lives of people that have no access to electricity.	
		Mozambique Netherlands South			
	SolarWorks!	Africa Malawi	Electricity	Cond-Market of Construction Investor In	https://www.solar-works.co.z
132		Sub-Saharan Africa Tanzania Nigeria Kenya United	Electricity; gas, steam &; air conditioning	SparkMeter offers comprehensive low-cost metering solutions for electric utilities in developing markets. 3.5 billion people across the world live without	
132			supply	reliable electricity access.	http://www.sparkmeter.io/
	SparkMeter	States		,	
	SparkMeter		зирріу		
133	Strider (acquired by	States Brazil United States Mexico Colombia Bolivia Paragua	1	Strider serves large growers with a platform and software that facilitates the	
133		States Brazil United	Agriculture; forestry and fishing	monitoring of large tracts of land and decision making.	https://www.strider.ag/
133	Strider (acquired by	States Brazil United States Mexico Colombia Bolivia Paragua	1		https://www.strider.ag/

	Sunew Filmes Fotovoltaicos Impressos S.A	Tanzania Indonesia Sweden United States United Arab Emirates United Kingdom Ireland Haiti Brazil Saudi Arabia Hong Kong SAR, China Japan Australia Germany	Professional, scientific and technical activities	Sunew was created with the mindset of revolutionizing the energy consumption and production paradigm, building a better world for next generations. After 10 years of research, Sunew built an innovative and highly scalable production process, and now it's the world leader in Organic Photovoltaics (OPV) technology, with the largest installations in the world.	https://sunew.com.br/
				Sunken Ltd is a company that works in partnership with institutions throughout the Kenyan region to provide integrated services and innovative business solutions to commercial enterprises. At Sunken Itd, we specialize in economic and social development by providing green energy solutions to small scale farmers, communities and commercial projects. We supply a package of services designed to provide clients with solutions to improve productivity and	
137	Sunken Limited	Kenya	Manufacturing Electricity; gas, steam &; air conditioning	profitability in their enterprises	https://sunkenlimited.com/about.html
138	Sure Chill	Congo, Dem. Rep. South Sudan	supply	Sure Chill has developed a cooling technology using water as its power source.	http://www.surechill.com/
	Sustainable Energy Technologies Limited	Ghana	Energy; Health; Agriculture		http://www.setechghana.com
	Sustainable Farming		Agriculture; Climate Risk Analytics and		
140	Solutions (Sfs)	Malawi	Risk Management; Finance	Developer of an agricultural platform intended to address water scarcity, food	https://www.sfsmw.org/
141	Swiftvee	South Africa	Agriculture; forestry and fishing	security and market efficiency for the livestock sector. The company's platform utilizes a mobile application to provide intuitive data and analytics with capacity to scale globally, enabling companies to ensure higher profit margins and wider social impact.	https://www.swiftvee.com/
	Synergistics		Professional, scientific and technical	Synergistics Environmental Services (Pty) Ltd is an independent team of Environmental Management Consultants established in 2004 to meet the	
142	Environmental Services Teconica International	South Africa Nigeria	activities Agriculture/ Supply Chain	demand for quality environmental consulting services.	http://www.synergistics.co.za/
				Biocontrol solutions provider in Kenya and larger Eastern Africa which designs and implements robust insect and pest management programs which actively replace pesticide inputs and improve crop quality and yields for growers and consumers. The company also offers training, contract research, consultancy	
144	The Real IPM Company	Sub-Saharan Africa, Kenya	Agriculture; forestry and fishing	and scouting for pest management services. Thuthuka Group Ltd (TGL) is a multidisciplinary engineering company, active in the design, manufacture, installation project management and project finance for the chemical, mining, metallurgical and industrial markets. The scope of	https://realipm.com/
			Professional, scientific and technical	work includes chemical and metallurgical process, water and effluent treatment, hazardous waste and air pollution control and construction of the	
145	Thuthuka Group	South Africa	activities	civil infrastructure for the above plants.	http://www.thuthukagroup.com
				Trailblazer Technologies is a developer and licensor of innovative chemical treatment technologies, ranging from conceptualisation to commercial	
146	Trailblazer Technologies	South Africa	Information and communication	utilisation. Trailblazer has a key focus on industrial and mining waste water treatment as well as a passion for improving agricultural use of water.	https://www.savant.co.za/ventures/tr ailblazer-technologies/
147	UjuziKilimo	Sub-Saharan Africa Kenya	Agriculture; forestry and fishing	Ujuzikilimo uses innovative data acquisition technologies and a comprehensive database to collect and analyze farm data to help farmers and agriculture players make better decisions and build targeted services. Through machine learning it provides actionable agronomic insights to farmers; business intelligence & predictive analytics to agriculture service providers & businesses through a fully integrated data platform, powered by millions of data sets.	https://www.ujuzikilimo.com/
			Electricity; gas, steam &; air conditioning	Through reliable, affordable solar home systems, upOwa provides easy access to clean energy for people who live with no access to the national grid in	
	Upowa Urban Tech Solutions	Cameroon Kenya	supply Water	Cameroon. Customers pay through small installments over 18-36 months.	https://www.upowa.energy/ http://urbantechsolution.com
213		,-		The company operates wastewater treatment projects which are designed to	
150	Utilities Development Company	Kuwait Middle East &; North Africa	Water supply; sewerage, waste management and remediation activities	accommodate Kuwait's growing need for environmentally sound treatment and reclamation of wastewater.	http://www.udcsulaibiya.com/
	Wasoko (formerly Sokowatch)	Kenya Tanzania Rwanda Uganda	Transportation and storage	In Africa's cities alone there are more than 10 million informal shops selling over \$180 billion worth of goods every year. SokoWatch is a last-mile distribution platform and agent network that enables small shop owners to stock consumer goods products from companies such as GlaxoSmithklein, Unilever, and Procter & Gamble. Shop-owners text SokoWatch their orders and local, salaried SokoWatch agents fulfill the orders from central distribution hubs and deliver them to shops in less than 24 hours.	https://sokowatch.com/
	Wasteman Gh	Ghana Ghana	Waste.		http://wasteman-gh.com
153	Watec	Morocco United Kingdom	Water supply; sewerage, waste management and remediation activities	Based in Morocco, Watec provides water treatment and sanitation services in Morocco and other countries, installing wastewater treatment plants for rural municipalities and decentralised sites.	http://www.watec.ma/index.html
				All of the work carried out by Water Rhapsody is an attempt to reduce demand for and reliance on municipal water, which almost ran completely dry in 2018. Such work means that riverine environments around the world will regain their biospheres (the maximum number of eco-systems) leading to healthy sea life, estuarine life and riverine ecology.	
154	Water Rhapsody	South Africa	Water supply; sewerage, waste management and remediation activities		http://www.water-rhapsody.co.za/
	Waterhealth International		Water supply; sewerage, waste management and remediation activities	Provide scalable, safe and affordable water solutions to underserved populations.	https://waterhealth.com/
155	waternealth International	India Ghana Nigeria	management and remediation activities	populations. Worldtech Consult (Ghana) designs, manufactures and installs solar powered walk-in cold rooms to extend the shelf life of agricultural products and temperature-sensitive materials, enhancing food system resilience and minimizing losses. Builds resilience to: extreme heat and extreme weather events that reduce crop yields, worsen food waste, and increase food	nttps://waterneautn.com/
156	World Tech Consult	Ghana	Transportation and storage; Cold Chain	insecurity.	https://www.worldtechconsultgh.com/
157	WorldCover	Ghana	Agriculture; forestry and fishing Finance and Insurance Activities	WorldCover is a provider of affordable crop insurance to farmers in the developing world.	https://worldcovr.com/
		Burkina Faso, Senegal, Ecuador, Colombia, Peru, Ivory Coast, Rwanda,		YAPU provides digital tools supporting financial institutions in developing countries targeting the most vulnerable, microenterprises and small- and medium-sized enterprises. We support our partners to identify social, climate and nature-related financial risks and address them with dedicated loan products. YAPU also collaborates with investors ensuring a comprehensive and	
158	Yapu Solutions	El Salvador	Climate Finance; Agriculture	verified view on the impact of their investments.	https://yapu.solutions

				Zonful Energy is a for profit social enterprise that sells modular decentralized	
				and scalable solar energy systems on Pay As You Go model to rural, urban and	
				peri-urban off-grid consumers in Zimbabwe. The solar energy systems consist	
				of solar panel, batteries and a broad range of appliances including lights, radios,	
159	Zonful	Zimbabwe		, ,	https://zonfulenergy.co.zw/
			· · · · · · · · · · · · · · · · · · ·	ZR3I (Egypt) is a precision agriculture platform-as-a-service that offers crop	
				monitoring, management, and insurance services to the agriculture sector in	
				Egypt and the Arab world, helping farmers to mitigate risks due to climate	
				change. Builds resilience to: extreme weather events and weather volatility	
				that	
160	Zr3i	Egypt, Arab Rep.	Agriculture; Big Data	reduce crop yields and harm farmer incomes.	https://zr3i.com