

A composite image featuring a factory with a tall chimney emitting a large plume of white smoke into a lush green forest. The scene is reflected in a dark, calm body of water in the foreground. The background is a dark, moody sky.

AirLoom Energies

www.airloomenergies.co.tz



AirLoom Energies

Company Profile 2025

Welcome Note

Welcome to Airloom Energies Co. Ltd, where innovation meets sustainability to drive Tanzania's clean energy future. Our mission is clear—to revolutionize energy access and environmental sustainability by providing affordable, portable clean cooking solutions and pioneering Tanzania's first carbon capture technology.

Additionally, as industries seek low-carbon alternatives, our carbon capture facilities provide a unique opportunity to align with global sustainability goals while creating new economic value in the emerging carbon credit market.

Lets Make a Change

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Airloom Energies Co. Ltd specializes in providing innovative Clean Energy Solutions designed to enhance safety, efficiency, and environmental sustainability. Our flagship products, portable gas stoves and disposable gas cylinders, are tailored to meet the needs of households and businesses, empowering them to shift away from traditional harmful source of energies.

Who We Are?

As part of our commitment to sustainability and climate action, Airloom Energies Co. Ltd is introducing Tanzania's first-ever Carbon Capture Technology & Facility. This innovation aims to reduce carbon emissions from industrial and energy sectors, addressing one of the most pressing environmental challenges today.



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Our Team

Our Company Appointed **CEO**

Mr



89%
The Experience



823K
Project Completed

Our Company's Board

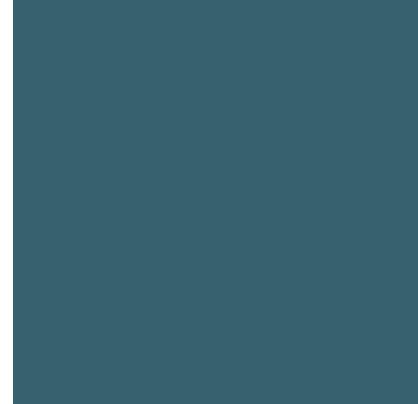


Norbert Gaspar

STCEO & Design Chief

Passionate in green technologies
and solutions for community

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James Mpanga

Chief Information Officer

Passionate in green business
development



**We are Looking for
you, Become our
Partner**

Here is Our A TEAM

A team of professional and experts in the
industry.

What We Do



At Airloom Energies, we are not just building a business; we are shaping a sustainable future—one that balances profitability with purpose. We invite you to join us in this transformation, whether as a strategic partner, investor, or stakeholder, to drive impact, innovation, and growth.

Together, we can power a cleaner, healthier, and more sustainable Tanzania.

Vision



Industries through innovative, sustainable, and accessible energy technologies that reduce carbon emissions and improve quality of life.

Mission

Revolutionizing Clean Cooking – Provide affordable, portable gas stoves and recyclable gas cylinders to reduce reliance on charcoal and firewood, improving health and energy efficiency for millions.

Pioneering Carbon Capture – Develop Tanzania's first carbon capture facility, helping industries offset emissions and contributing to global climate goals.

Driving Sustainability & Economic Growth – Deliver solutions that create long-term value for investors, partners, and communities through clean energy innovations and carbon credit opportunities.

Expanding Access & Scalability – Scale our products across Tanzania and beyond, ensuring clean energy solutions reach underserved and emerging markets.

Statistics ?

Less 10% Effort

Less effort countrywise & countrywide in Carbon capture

95% Tanzania

ouseholds rely on charcoal or firewood.

13,000 Deaths

16,000 premature deaths annually in Tanzania.

\$10 Billion +

The clean cooking market in Africa is valued at \$10 billion+

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A call we cant Ignore

The world is at a critical crossroads—climate change, energy poverty, and environmental degradation threaten our future. In Tanzania alone, over 95% of households rely on firewood and charcoal, causing severe deforestation, indoor air pollution, and preventable health crises. Meanwhile, industrial carbon emissions continue to accelerate global warming, worsening climate-related disasters.



Our Innovations

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Portable Gas Stoves

Our stoves are designed with user-friendliness in mind, ensuring that they are lightweight and easy to operate. Engineered for efficiency, they provide a reliable cooking experience while minimizing fuel consumption and emissions.

Learn More



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Stove Features



01

Portable & Lightweight

Designed for easy transport and convenience, our gas stoves are compact and perfect for both household and outdoor use.

02

High Efficiency & Zero Emissions

Our stoves maximize fuel efficiency, reducing gas consumption while significantly lowering carbon emissions compared to traditional biomass cooking

03

User-Friendly & Safe

Equipped with flame control technology, leak-proof gas connections, and heat-resistant materials for maximum user protection.

Portable Gas Stoves

Our stoves are designed with user-friendliness in mind, ensuring that they are lightweight and easy to operate. Engineered for efficiency, they provide a reliable cooking experience while minimizing fuel consumption and emissions.





AirLoom Cylinders & Cartrige

Portable Gas Cartridge is an innovative, lightweight, and efficient energy solution designed for clean and convenient cooking. Engineered for portability and reliability, our gas cylinders provide an eco-friendly alternative to traditional fuels, making them ideal for households in rural areas

Gas Cartridge Features

Our gas cartridges are the perfect solution for modern, clean cooking in Tanzania and beyond. Upgrade to AirLoom Energies and experience efficiency, safety, and sustainability in every flame!

01

Compact & Portable

Designed for ease of transport, making it ideal for camping, outdoor cooking, and emergency use.

02

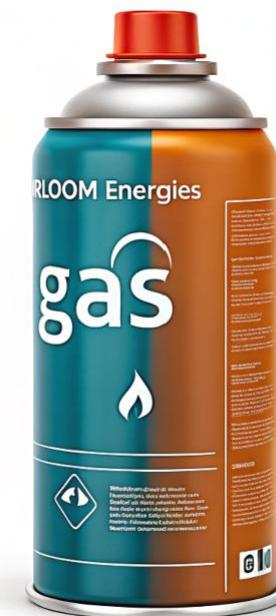
Safe & Durable

Built with high-quality materials, featuring a leak-proof design and safety valves for secure handling

03

Efficient & Long-Lasting

Available in 220g, 250g, and 300g sizes, with up to 3.30 hours of continuous burning time, ensuring uninterrupted cooking



220g

3 Burning hours

Gas Cartridge Usage & Cooking time

	Whole Prices	Retail Prices	Burning Hours
Gas cylinder 220 g	123	125	2 hours
Gas cylinder 250 g	125	130	2.30 hours
Gas cylinder 300 g	145	163	3 hours
Gas cylinder 320 g	On Research	On Research	3.30 hours
Gas cylinder 350 g	On Research	On Research	4 hours

Pricing Table

Cylinder Pricing Table

About Pricing Table

Community Impact

220 grams

1,200 Tsh



250 grams

1,800 Tsh



300 grams

2,200 Tsh



For The Future

**Rivaly Product for Urban Area :
AirLoom Cylinders 15 KG, 30 KG 45 KG**

The AirLoom Energies Gas Cylinder (Urban Edition) is designed for modern households and businesses, offering a safe, efficient, and eco-friendly alternative to traditional cooking fuels. Built for durability and convenience, this cylinder ensures clean cooking with reduced emissions, making it the perfect choice for urban families, restaurants, and small businesses seeking a reliable energy solution.

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Carbon Capture Technologies



Direct Air Capture (DAC)

Captures CO₂ directly from the atmosphere using high-efficiency filtration and absorption systems



Industrial Emission Capture

Deploys cutting-edge carbon absorption units at emission-intensive facilities, ensuring a significant reduction in CO₂ output.



Carbon Storage & Utilization

Converts captured CO₂ into useful by-products, such as synthetic fuels, industrial raw materials, Water and agricultural applications.

About Service

As part of our commitment to sustainable energy solutions, AirLoom Energies is pioneering Tanzania's first Carbon Capture Technology & Facilities, aiming to reduce carbon emissions, enhance air quality, and drive climate resilience. This groundbreaking initiative aligns with global efforts to combat climate change while creating economic opportunities in the green energy sector.

Carbon Capture Facilities



Carbon Capture Plants

Large-scale facilities designed to extract and store carbon from industrial and energy production sources.



Modular Capture Units – Scalable and mobile units

Scalable and mobile units for deployment at manufacturing sites, refineries, and urban centers.



CO₂ Recycling & Conversion Hubs

Facilities dedicated to transforming captured carbon into clean energy and eco-friendly materials.

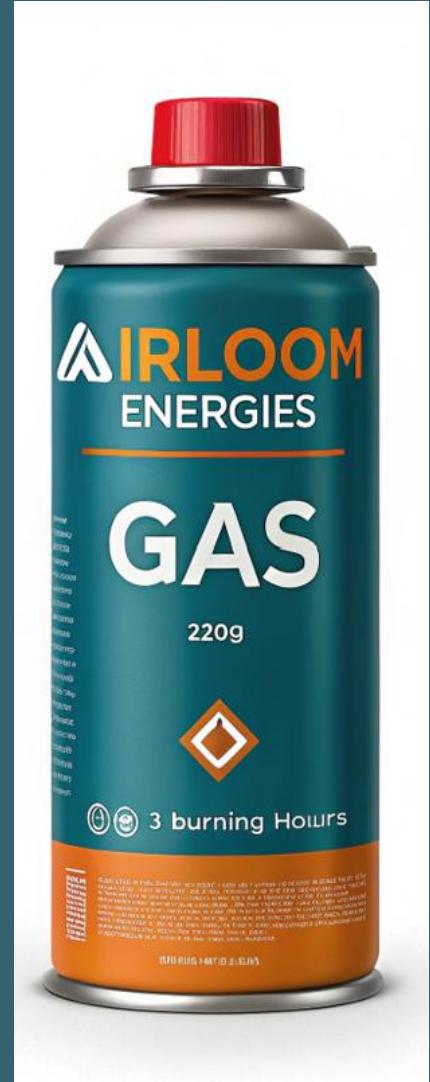
About Service

AirLoom Energies is committed to expanding carbon capture facilities across Tanzania and Sub-Saharan Africa. Through strategic partnerships, we aim to deploy scalable, cost-effective carbon capture solutions that empower industries, businesses, and communities to embrace a low-carbon future.

Competitive Advantage

Innovative
products: First
affordable,
scalable clean
energy solutions.

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Massive market opportunity: Over 15 million Tanzanian households need clean energy.



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Sustainability
impact: Cutting
carbon emissions &
driving economic
growth.

**Note: Our Future at AirLoom Energies Facilities is to be the leading industry in clean energy
and capture carbon technologies and help reduce emission of Co2**

Business Model and Expected Returns

Gas Stove & Cylinder Sales

+75% expected coverage

Carbon Credit Revenue from Capture Facility

+60% expecting market share

Strategic Partnerships & B2B Collaborations

Not less than 300 industries

Call To Action.

At Airloom Energies Co. Ltd, we refuse to stand by. We are pioneering clean cooking solutions and carbon capture technologies, delivering affordable, scalable, and sustainable energy alternatives. Our recyclable gas cylinders and portable stoves are set to transform how millions access clean energy, while our carbon capture facility—a first in Tanzania—will help industries reduce their environmental footprint.





Get In Touch With Us

Now is the time to act. We invite investors, partners, and innovators to join us in driving sustainable impact and profitable growth. The demand is massive, the market is ready, and the solutions exist. Will you be part of the change? The call is clear. We can't afford to ignore it.



Diwani RD, dsm TZ



info@airloomenergies.co.tz



+255752824434



www.airloomenergies.co.tz

THANKS

