

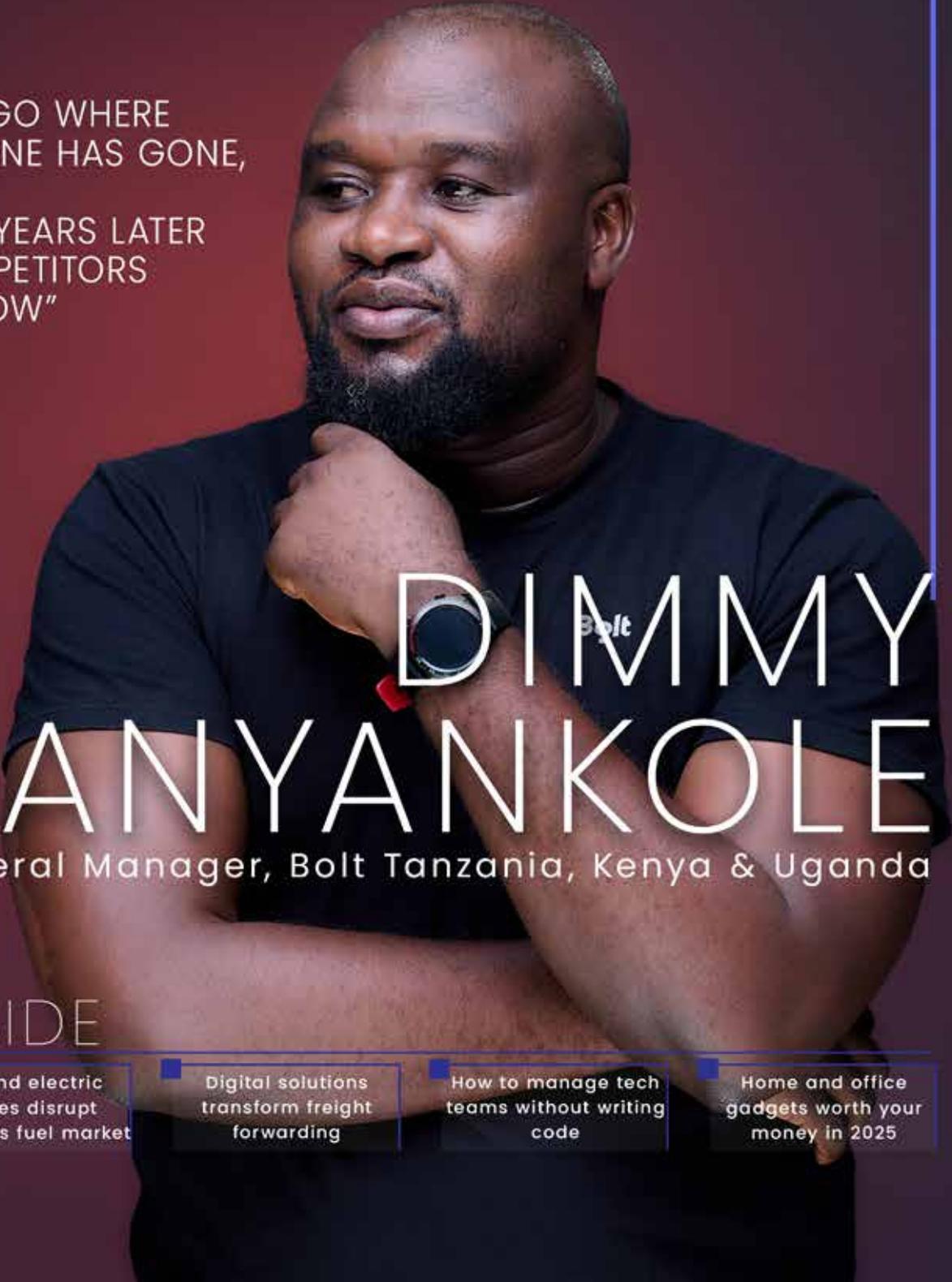
Issue No.4 | May 2025

ATOMS & BITS

A Datamanics initiative

"WE GO WHERE
NO ONE HAS GONE,

AND YEARS LATER
COMPETITORS
FOLLOW"

A portrait of Dimmy Kanyankole, a man with a beard and short hair, wearing a black t-shirt with the Bolt logo. He is looking thoughtfully to the side with his hand on his chin. The background is a dark, textured red.

DIMMY KANYANKOLE

General Manager, Bolt Tanzania, Kenya & Uganda

INSIDE

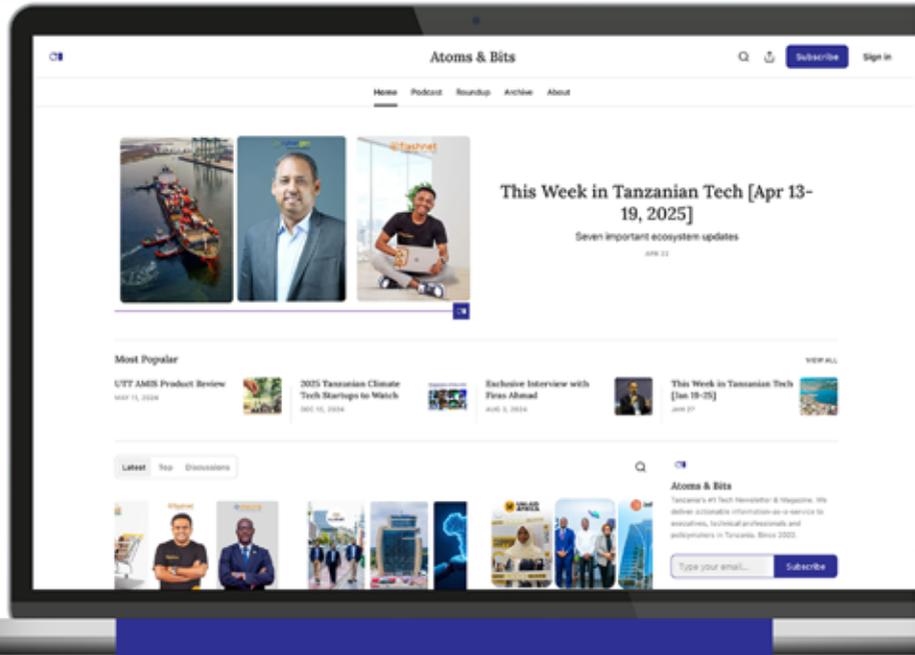
CNG and electric
vehicles disrupt
Tanzania's fuel market

Digital solutions
transform freight
forwarding

How to manage tech
teams without writing
code

Home and office
gadgets worth your
money in 2025





All of Tanzanian Tech in One Place

- ◆ Read stories about founders solving real problems in Tanzania
- ◆ Access market data that helps identify growth opportunities
- ◆ Connect with key players in the innovation ecosystem
- ◆ Keep up with policy changes that affect technology businesses

Our platform brings you verified news and analysis from across Tanzania's tech sector, delivered in plain language that both insiders and newcomers understand.

Get the information you need to make better business decisions.

Available bimonthly in print and weekly in your inbox.

Subscribe now through our website or scan the QR code.

ATOMS & BITS
Know More. Do More.

A&B Substack
Newsletter



LinkedIn
Newsletter



INSIDE THIS ISSUE



Karibu Note | 4

- How we chose this issue's theme

Tech in Figures | 6

- Numbers that show how Tanzania's money code, and themselves

Industry Focus | 7

- CNG and electric vehicles gain ground across Tanzania
- Hidden billions in Tanzania's skies and the jobs they create

Tech Titan | 12

- How Bolt outpaced competitors in East African markets

Quick Bytes | 18

- Women coders in Arusha
- Tanzania's blockchain shilling, and six more stories

Government 2.0 | 20

- LATRA's tracking system makes intercity buses safer
- How technology cuts fuel costs on Tanzania's highways

Tech Leadership Compass | 22

- What technical project managers actually earn in Tanzania
- Prince2 or PMP? The certification that matters here

Innovator's Spotlight | 27

- Meet the woman leading Tanzania's fastest hardware delivery service
- How tech support became part of every sale

Sustainable Tech | 31

- New regulations expand Tanzania's briquettes market
- Tissue culture technology gives banana farmers the edge

Zanzibar's Digital Renaissance | 35

- Coding classes coming to half of all schools by 2050
- Tourism feedback becomes intelligence through UN partnership

Regional Insights: East Africa & Beyond | 38

- Kenya fintech secures fresh funding round
- Uganda government backs local e-mobility startup Kigali hosts first Global AI Summit on Africa
- Morocco welcomes African startups at GITEX

Across Borders | 39

- A \$2 AI assistant
- a hospital-turned-tech-hub
- a \$13.5B space contract
- and Tesla's self-driving promise

Tech Trends | 41

- WhatsApp stores accept QR code payments
- ERP systems speed up clearing and freight forwarding

Tech Check | 42

- Watchguard firewalls, brain-tracking headphones, UPS solutions, and iPhone 17 Pro

Future Forecast | 44

- Five untapped opportunities in Africa's fintech industry
- Mars railway systems could teach you a lesson
- One ID to unite 1.3 billion Africans

Career Code | 46

- May-June 2025 courses that match market demands
- The local professional training provider with a decade of success

The Event Hub | 49

- Connect at tech gatherings from Arusha to Berlin



Every morning, millions of Tanzanians make decisions about how to move. Whether boarding a bus in Dodoma, hailing a ride through an app, or shipping goods to markets across the region, mobility touches every aspect of our economy.

We chose mobility as this issue's theme after realizing how deeply it connects to the technology focus of our previous editions. The infrastructure that moves people, goods, and data forms the backbone of Tanzania's growth story. When we examined ICT development in our last issue, we kept finding ourselves asking the same question – how do these advances actually move through society?

The answers surprised us. CNG adoption is changing fuel economics for vehicle fleets. LATRA's tracking systems are making intercity travel safer. Zanzibar's students will soon learn coding in classrooms while a Bolt executive builds market share across three countries.

Beyond roads, Tanzania's skies carry economic value. The aviation sector moves over 30,000 tonnes of cargo annually while supporting over 710,000 jobs and contributing \$3.8 billion to the national economy.

Throughout our reporting, we found technology and movement intersecting in unexpected ways. WhatsApp stores now accept payments through QR codes. Tissue culture techniques help banana farmers move from subsistence to commercial production. Uganda's government funds e-mobility while Kenya's fintech sector continues attracting investment.

This issue examines how Tanzanians are building systems that connect people to opportunities. From the technical details of ERP systems speeding up freight forwarding to the practical considerations of which certification holds the most value for managers, we focus on practical information that helps readers understand what's next.

For professionals looking to stay current, our Career Code section outlines specific courses worth pursuing in the coming months. For those seeking connections, our Event Hub offers gathering opportunities from Arusha to Berlin.

We look forward to hearing which stories resonate with you as we continue documenting Tanzania's technological evolution.

Karibuni sana,

The Atoms & Bits Team

For partnership inquiries and general information, contact us:

✉ info@atomsandbits.co.tz

✉ advertising@atomsandbits.co.tz

☎ +255 763 574 266

📍 PPF Towers, Dar es Salaam

Acronis

Is your Business **Protected** from Data Loss?

Secure Your Business with
Acronis Cyber Protect



Let's Talk

 +255-711-803-642

4.8 Quadrillion DIGITAL TRANSACTIONS VALUE

Tanzania's electronic payment systems moved Sh4,800 trillion in 2023/24, with Sh200 trillion flowing through mobile money platforms alone.



125K+ BANKING AGENTS

Local shops and businesses operating as 125,673 financial access points by June 2024 helped institutions achieve 27.3% returns on equity (ROE) through wider customer reach and lower operational expenses nationwide.



6+ Billion MOBILE TRANSACTIONS

Tanzanians made 6+ billion phone-based payments in 2023/24, while separately completing 45 million instant transfers monthly, with digital goods purchases alone accounting for Sh18.25 trillion as everyday shopping moves from cash to screens.



657K+ DIGITAL MERCHANTS

From village kiosks to urban supermarkets, over 657,346 Tanzanian merchants now accept e-cash, processing 301.2 million transactions worth Sh17.9 trillion in 2023 as consumers increasingly tap phones instead of counting notes for daily needs.

106.3% RIDE-HAILING GROWTH

Smartphone apps now connect travelers with 2,781 digital taxis while 680 long-distance buses added real-time tracking in 2023/24, transforming both daily commutes and extended journeys nationwide.

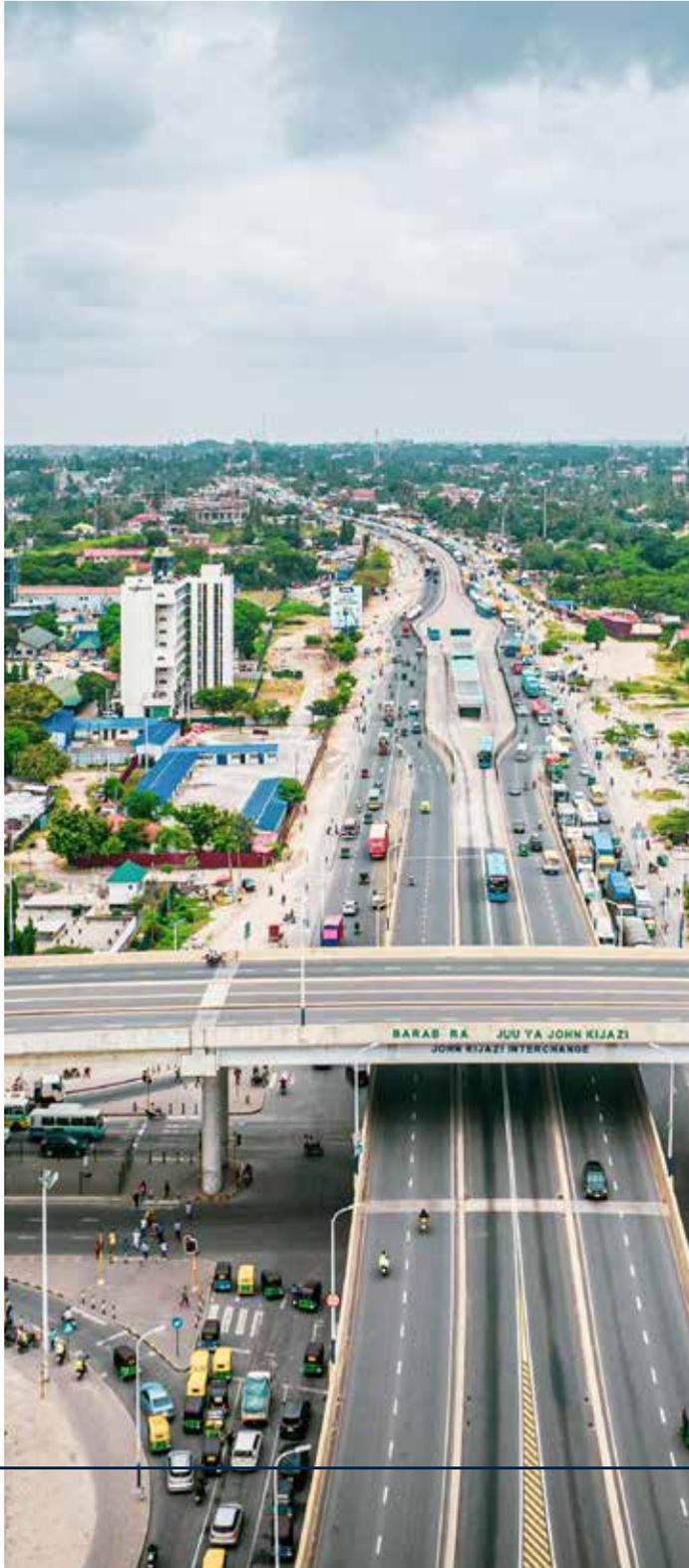


80% CONNECTIVITY COSTS REDUCTION

The government slashed fiber installation fees from \$1,000 to \$200 per kilometer, enabling wider internet coverage that powers 6+ billion mobile transactions changing how Tanzanians shop, pay, and connect daily.



Mobility Markets Seek Fuel Cost Relief



The fuel powering Tanzania's vehicles is changing. Recent data from the Land Transport Regulatory Authority (LATRA) reveals a telling shift in how people move across the country. While petrol and diesel still fuel most vehicles, alternatives like compressed natural gas (CNG) and electric power are gaining traction - driven primarily by cost differences rather than environmental concerns.

Numbers Behind the Shift

Petrol now surpasses Sh3,000 per liter in Dar es Salaam. This increase affects the millions of Tanzania's registered vehicles running on conventional fuels. Commercial drivers typically spend 35-40% of daily earnings on fuel alone.

Meanwhile, CNG costs over 50% less than petrol, allowing drivers to spend around Sh18,000 and earn up to 120,000 daily. This economic advantage is why CNG adoption has grown among three-wheeler owners despite limited infrastructure.

The cost comparison is even more striking with electric vehicles. At current electricity rates of about Sh360 per kWh, fully charging an electric three-wheeler costs Sh2,900 for a day's operation—nearly 85% less than petrol.

Commercial Transport: Early Adopters

For three-wheeler operators, converting to CNG requires an upfront investment of about Sh1.5 million but generates monthly savings of approximately Sh200,000, creating a pay-back period of 7-8 months. This math works primarily for high-usage commercial vehicles.

Companies operating delivery fleets are also leading the transition. Piki, which handles food and grocery deliveries in Dar, now uses electric motorcycles exclusively, citing operational savings and reliability in congested urban areas.

Infrastructure: The Main Barrier

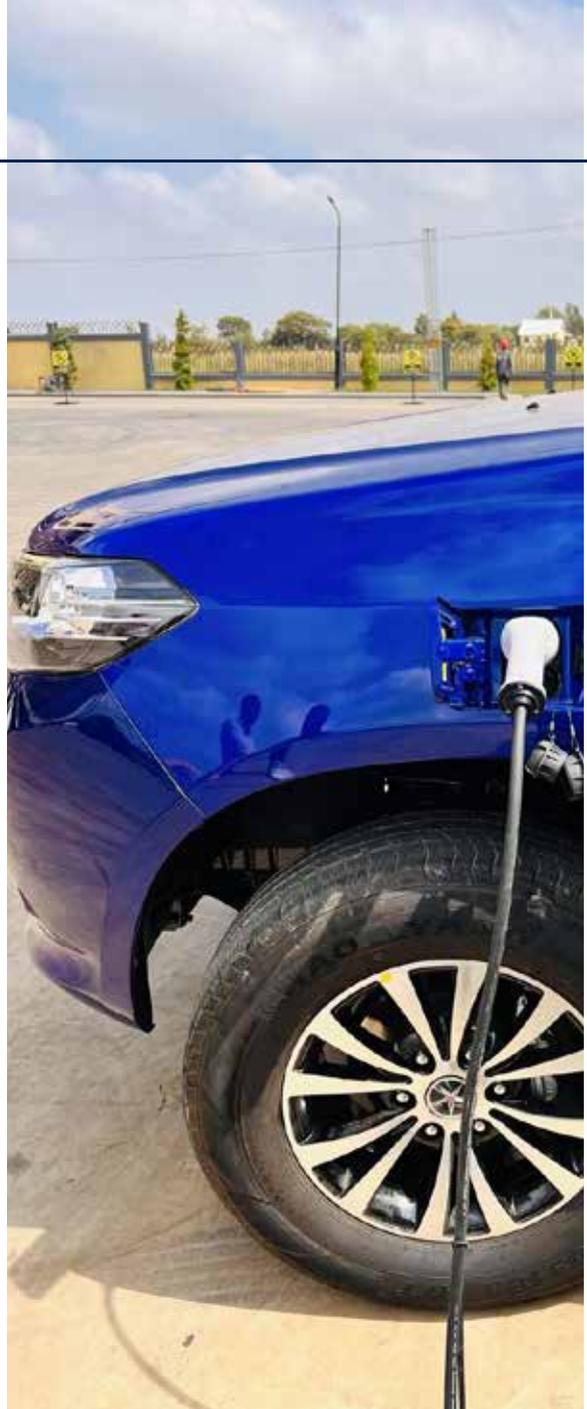
Despite cost benefits, alternative fuel adoption faces significant infrastructure limitations. Tanzania currently has six gas refuelling stations, with queuing times often exceeding two hours during peak periods.

Similarly, EV charging remains limited to approximately 4 private stations concentrated in Dar, Morogoro, and Arusha. This infrastructure gap particularly affects intercity travel and operations outside major urban centers.

The Tanzania Petroleum Development Corporation (TPDC) reports that seven new CNG stations may be operational by year-end. Electric charging infrastructure development depends largely on private sector initiatives, including those from vehicle manufacturers and energy startups.

Public Transit

While diesel buses remain dominant, economic calculations increasingly favor alternatives. A standard bus operating on city routes consumes at least 80 liters of diesel daily at



current prices of Sh2,936 per liter. The equivalent electric operation would cost about one-third as much.

This potential saving has sparked interest from companies like E-Motion Africa, which has explored retrofitting conventional buses to electric power. However, large-scale adoption awaits further infrastructure development and financing solutions.

The government's investment in electric trains for the Standard Gauge Railway demonstrates a commitment to electric mobility for mass transit, though this effort has not yet extended significantly to road-based public transport.

Private Vehicles

Individual vehicle owners remain more hesitant to adopt alternative fuels. Why? Most consumer EVs cost 2-3 times more than



conventional equivalents, a price gap that outweighs operating savings for typical private usage patterns.

LATRA's statistics show private hire vehicle registrations growing steadily, with 19,655 licenses issued from January to March 2024 (up 19.7% from the same period last year). This category includes motorcycles (9,827), three-wheelers (5,366), and ride-hailing vehicles (which increased by 307% from 896 to 3,642). The vast majority of these vehicles still run on conventional fuels, indicating the private market transition remains in early stages.

Market Outlook

CNG appears positioned for stronger near-term growth, particularly in commercial transport. The economic case is compelling for high-usage vehicles, and infrastructure development faces fewer hurdles than electric charging networks.

Electric mobility will likely see gradual expansion in specific applications—delivery services, intracity commercial transport, and fleet operations with predictable routes—before wider adoption in private and public transport.

The deciding factor in Tanzania's fuel transition is overwhelmingly economic. As long as petrol and diesel prices continue to rise while battery costs fall and charging infrastructure expands, market forces will naturally accelerate the shift to alternative fuels.

For now, conventional fuels remain dominant but increasingly vulnerable to economic pressure as viable alternatives gain ground in key market segments.

Tanzania's Aviation Network Creates Economic Value Chain

At Julius Nyerere International Airport, a TZS 1.2 billion investment takes physical form as two new Swissport buses glide across the tarmac. They represent more than just airport upgrades. They're a response to Tanzania's rapidly evolving mobility ecosystem where air travel increasingly complements road transportation.

The story of Tanzania's transportation isn't confined to diesel prices and electric vehicle adoption. It unfolds in the sky, where aviation now contributes USD 3.8 billion to GDP while supporting over 710,000 jobs throughout the economy.

An expansion in connectivity is mainly responsible for those figures. From Dar es Salaam to Arusha, 22 airports with commercial flights now serve as gateways connecting Tanzania to 29 countries through direct flights. This network has expanded dramatically, with connections to regions outside Africa growing 128% since 2014.

The impact ripples through multiple sectors. Tourism thrives on these air connections, supporting 614,100 jobs and generating over USD 3.4 billion annually. Meanwhile, more than 29,800 tonnes of air cargo move through Tanzania's airports each year, linking local businesses to global markets and enabling exports that would be impossible by road alone.

This shift manifests in changing passenger behavior. Between 2022 and 2024, the



percentage of passengers moving within airports jumped from 20.3% to 30.6%. Air Tanzania's fleet, now 16 aircraft strong, connects the country not only to African neighbors but also to global hubs in Dubai, Mumbai, and Guangzhou.

For Tanzania's economy, these developments are creating an integrated transportation ecosystem where air and ground mobility complement each other. The road remains essential for daily movement, but air connections open economic pathways otherwise unreachable..



WE HELP YOU TO TRANSFORM INTO A DIGITIZED FREIGHT FORWARDING BUSINESS.

WE SIMPLIFY
FREIGHT FORWARDING
CUSTOMER EXPERIENCE
SHIPMENTS OVERVIEW
ACCOUNTING
SUPPLY CHAIN.

TALK TO US
FOR PRODUCT
DEMO

www.techzanite.com

TANZANIA

Techzanite Consultants Limited
Toure Drive, Golden Tulip, Masaki,
Plot 1820, P.O.Box 6300,
Dar es Salaam, Tanzania.

+255-655-788-788, +255-745-788-788

info@techzanite.com

KENYA

1st Floor, Links Arcade,
Links Road Nyali,
Mombasa,
Kenya

+255-777-444-884, +254-721-712-172

techzanite



The Strategist Behind Bolt's Tanzania Dominance

*A Conversation
with Dimmy Kanyankole*

The clock reads 11:03 p.m. Five young women slide into the backseat of a minivan in Dar es Salaam. The first destination appears on the driver's screen. Then comes the request for a second stop.

"Can we just tell you where to go next? We do not want to add it in the app."

The driver considers the question for a moment. He understands exactly why they are asking. Adding the stop in the app would increase the fare. Rather than explaining the pricing structure, he simply asks them to add the stop correctly online.

"Whether the price will be high or not, it is your responsibility to add all the stops," he tells them. "Ensure a driver is compensated fairly, and you get home safely." This isn't just any ride-hailing driver. This is Dimmy Kanyankole, the General Manager for Bolt operations across Tanzania, Uganda, and Kenya.

A few days later at Bolt's Dar office, we sit down with Kanyankole to discuss how his company has captured the largest share of Tanzania's ride-hailing market since launching in 2017 as Taxify.





We want to be the pioneers of electric vehicles in Tanzania—not as the vehicle provider, but as the first ride-hailing company offering diverse EVs.

What prepared you for leading Bolt's operations in most of East Africa?

■ Before joining Bolt in February 2024, I was group head of retail at Cellulant, a Pan-African payments company where I worked for over half a decade. My previous roles were data-focused and operational. The digital marketplace model is similar whether you're connecting merchants with customers or drivers with riders—you are balancing supply and demand in both cases.

How does Bolt maintain its market leadership in Tanzania?

■ Each morning, I review the previous day's performance data across our marketplace.

We track over 300 metrics, examining supply, demand, and operations.

■ For drivers, we monitor new sign-ups, retention rates, active drivers, hours online,

and earnings. For customers, we track total riders, trip numbers, and revenue. The business side focuses on profitability and expenditure control.

The most crucial metric is how quickly customers connect with drivers. If you request a ride and the driver is more than four minutes away, we know we need more drivers in that area.

■ We aim to keep this wait time (ETA) between two to three minutes throughout our service areas.

With so many ride-hailing apps in Tanzania, how do you maintain driver loyalty?

Today, Bolt employs over 30,000 drivers across eight Tanzanian cities and towns. Around 50% of our drivers work exclusively on our platform.

■ We achieved these milestones by keeping drivers busy with consistent ride requests while ensuring fair compensation.

■ When we launch in new towns, we focus first on recruiting drivers who understand our commitment to their steady income and passenger safety.

You sometimes drive for Bolt on weekends. What insights has your experience provided?

■ When I hear customer complaints, I schedule time to drive and experience both sides of our platform firsthand. The tension is always about pricing. Drivers naturally want to maximize earnings while doing less work, and riders want to pay less, even for longer journeys.

■ Before joining Bolt, I experienced these events as a passenger. My driver asked if I had a discount, and when I confirmed, his expression changed. “I do not prefer riders with discounts,” he confided. “When I pick up customers with discounts, Bolt won’t give me my full payment.”

■ After joining and examining our financial records, I discovered that was incorrect. When a customer receives a Sh2,000 discount on a Sh10,000 trip, they pay Sh8,000, and Bolt immediately deposits Sh2,000 to the driver’s account. The company absorbs these promotional costs to stimulate growth.

How is Bolt expanding beyond individual rides?

■ Bolt Business has grown over 50% year-on-year since 2021 and achieved 100% growth in 2024. Banking and telecom companies lead adoption, followed by legal firms and courier services.

■ Organizations can track all employee trips, control who takes rides, receive priority assignments to top-rated drivers, set spending limits, and pay once monthly through a single invoice. Most clients have saved over 50% on transport expenses compared to maintaining company vehicles.

How are customers paying for rides in Tanzania?

■ About 86% of Bolt’s Tanzania transactions currently occur outside our app. Only about 14% of customers pay by bank cards.

■ However, within the off-app payment category, 23% use mobile money services. After completing a trip, these customers can, for example, ask the driver, “Can I pay you by M-Pesa?” rather than paying cash.

What technology investments are you prioritizing?

■ Safety is our largest investment area. Approximately 12% of Bolt's staff works solely on safety initiatives. We have implemented an SOS button that connects directly to our safety team, trip anomaly detection that monitors unexpected stops, and real-time location sharing with family members.

■ If your ride stops somewhere unusual for several minutes, someone from our safety team will call to ensure you are safe. Our app also limits drivers to working 10 or 12 consecutive hours daily to prevent fatigue-related incidents.

■ We are also investing in improving digital maps. Many areas in regions like Kilimanjaro and Arusha aren't accurately mapped yet, which is essential for our service to function properly.

What's your vision for transportation in Tanzania?

■ In Arusha, we're testing electric bikes. In Dar es Salaam, electric three-wheelers are already available on our platform. We want to be the pioneers of electric vehicles in Tanzania—not as the vehicle provider, but as the first ride-hailing company offering diverse EVs.

■ We are also developing ride-sharing capabilities and integration with public transport. We want customers going in the same direction to share cars, and when you arrive by train in Dodoma or Morogoro, we want a Bolt car waiting to pick you up.

How do you select which towns to expand to?

■ Our expansion strategy follows careful market analysis. For example, Moshi has approximately 400,000 residents. If just 10% become regular riders taking three trips monthly, that translates to 120,000 rides—sufficient to justify launch. Similar calcula-



tions led to our expansion into Morogoro and Mbeya.

Where do you see Tanzania's ride-hailing industry in five years?

By 2030, over 80% of Tanzania's towns will have some form of ride-hailing. The industry will grow about 10% yearly.

■ We aim for consistent response times not only in central Dar es Salaam, but also 20 kilometers away in Mbagala and in Kahama—a mining town 1,000 kilometers northwest where we recently expanded.

■ Bolt will continue going where no one else has gone before.

“
Trusted by
Tanzania's **Top 1%**
Delivered by
Global **Top 1%**



EVERY STEP YOU TAKE IS KNOWLEDGE GAINED.

© DAR ES SALAAM

Milmani City Office Park,
Dar Es Salaam 77037,
Tanzania

Call Us: +255 767 880 040, +255 753 666 601

© ZANZIBAR

Plot No. SH/S/B/80,
Kwa Mchina Mwanzo
Zanzibar

Call Us: +255 777 444 884



RISE WITH TRAILBLAZERS THROUGH GLOBAL CERTIFICATIONS.

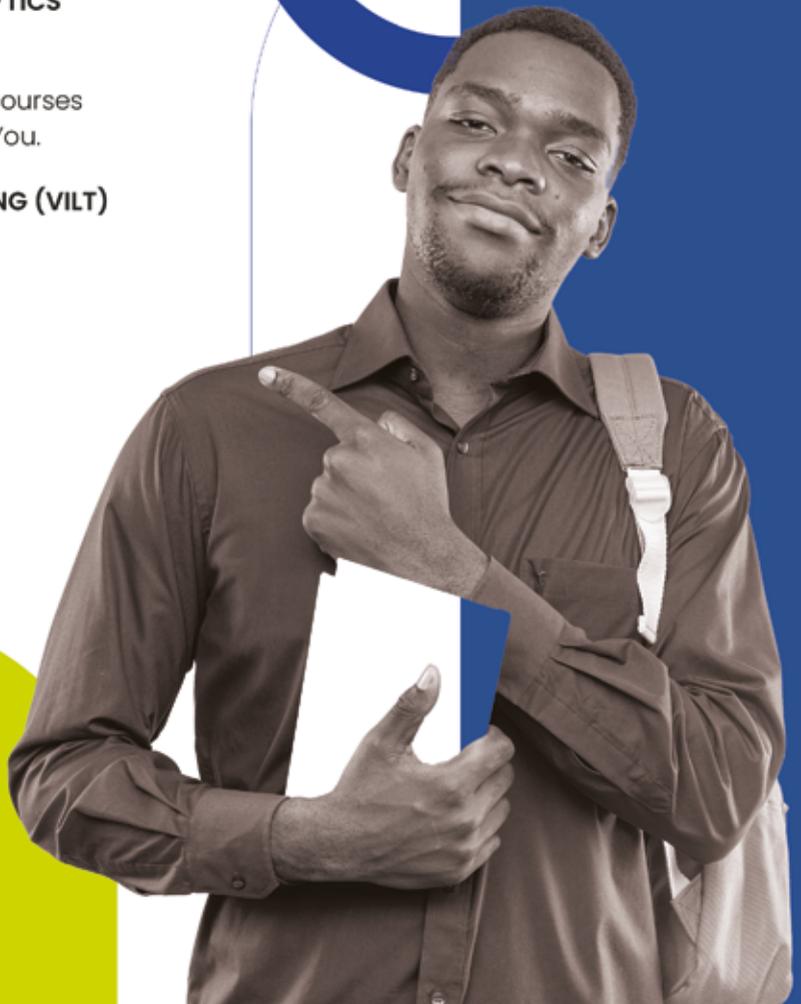
Explore Our Extensive Range of Course Categories
Designed to Help You Build Skills, Advance Your
Career, and Follow Your Passion

- **CYBER SECURITY**
- **PROJECT MANAGEMENT**
- **DEVOPS**
- **IT SERVICE & ARCHITECTURE**
- **SOFTWARE DEVELOPMENT**
- **DATA SCIENCE & BUSINESS ANALYTICS**

Unlock Your Potential With Expert-Led Courses
Delivered the Way That Works Best for You.

- **VIRTUAL INSTRUCTOR LED TRAINING (VILT)**
- **INSTRUCTOR LED TRAINING (ILT)**
- **ON-SITE TRAINING**

Download Our 2025 Calendar



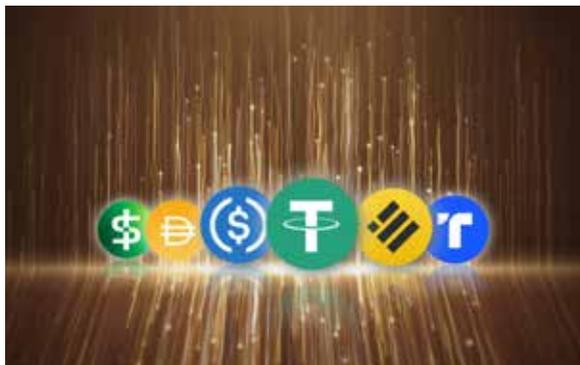
Free Workshop Announced



Django Girls is accepting applications until May 31 for its upcoming free coding workshop at IAA Arusha. It will teach women to build their first website with no prior technical experience required.

Sixty participants will receive free tickets, meals, and potential travel assistance for motivated learners. Applicants will receive responses by June 30.

TSHC Waitlist Opens



NEDA Labs has launched a waitlist for TSHC, Tanzania's first local stablecoin. The digital currency promises cross-border payments with fees under 1%, compared to traditional services' 6-10%.

The company aims to help small businesses handle international transactions instantly. TSHC will work with both banks and mobile money providers.

VDA Picks Cohort

Vodacom Digital Accelerator has completed the application phase for its fourth season. Selected startups will begin their three-month journey starting with a five-day Design Sprint in Dar.

The program connects founders with mentors from 27 countries and includes international exchange opportunities. Participants will focus on refining business models and preparing for investment.



€2Mn For Forest Innovation

Finland and UNDP have launched the Sh6.2 billion #GreenCatalyst Initiative. This two-year program will support early-stage businesses that are solving problems in Tanzania's forestry sector.

The initiative joins Finland with the EU and UK as partners in UNDP's FUNGUO Innovation Programme, which has already supported 2,200 businesses and created nearly 5,000 jobs since 2021.



New Stock Exchange Loading



Zanzibar is establishing its own stock exchange to transform the islands into a regional capital markets hub. The framework has received ministerial approval and awaits presentation to the House of Representatives.

This stock market is projected to open during FY 2025/26. Thanks to Zanzibar's expanding blue economy, which is creating companies ready to list shares.

Digital Bank Wows At GITEX



Credable concluded its participation in the Visa Accelerator Program with a Demo Day presentation at GITEX Africa 2025. The UAE-based and Tanzanian-founded fintech enables any business to offer financial services to their customers.

The company's platform includes credit scoring capabilities that process both structured and unstructured data for real-time risk assessment.

Sh86T Invested In State Firms

Tanzania's investment in public entities has increased from Sh67.95 trillion in 2020/21 to Sh86.29 trillion in 2023/24. This 27% growth spans 308 institutions where the government holds full or partial ownership.

President Hassan's economic reforms have prioritized institutional independence and efficiency. Results include Mbeya Cement paying its first dividend in ten years.



ICTC Plans Electronics Plant

Tanzania is setting up a local laptop manufacturing facility. The ICT Commission recently visited QuadGen Wireless in India to assess their capabilities for this joint venture that could help improve education quality at all levels.

The parliament has urged quick implementation, warning against past mistakes when investors relocated to neighboring countries.



Eyes on the Road

How LATRA's Vehicle Tracking System is Changing Transport Safety



Have you ever been on a long-distance bus trip when suddenly a sharp electronic beep cuts through the music and chatter? That alarm means your driver has exceeded the 80 km/h speed limit. And someone is watching.

Tanzania's Land Transport Regulatory Authority (LATRA) has deployed its vehicle tracking system (VTS) to monitor commercial vehicles. Each bus or train gets fitted with a tracking device that transmits location and speed data to LATRA's monitoring center in Dodoma.

"We tried using mechanical speed governors between 1997 and 2017, but they were easily tampered with," explains Eliud Kataraihya, LATRA's Head of ICT. "With VTS, we can monitor vehicles remotely, in real-time."

Numbers Show Progress

The impact is becoming evident. Senior Superintendent of Police (SSP) Deus Sokoni

reports, "In 2021 we had more than 117 accidents, but reaching November 2022, we recorded 102 accidents. Deaths and injuries caused by speeding buses have decreased significantly, all thanks to this VTS system."

The system currently monitors over 5,000 intercity buses and 35 locomotives from the Tanzania Railways Corporation and TAZARA. When a vehicle speeds, the system triggers both an in-vehicle alarm and alerts at LATRA's control center, where staff coordinate with traffic police to intercept persistent violators.

Transport companies have discovered unexpected benefits beyond safety. For example, driving at legal speeds means less wear on brakes and engines. Abdallah Kiongozi, Chairman of the Tanzania Bus Owners Association (TABOA), explains: "VTS helps us manage fuel consumption better. When drivers maintain steady speeds, vehicles use less fuel, and components last longer."



From Tracking to Prevention

LATRA recently upgraded the system to fine drivers directly rather than vehicle owners. They've also begun expanding VTS to other transportation sectors. In Q3 2023/2024 alone, LATRA processed licenses for nearly 50,000 goods-carrying vehicles, which will eventually join the monitoring system. The ride-hailing sector is next in line.

Collaboration between agencies makes the system effective. «We have the responsibility of ensuring safety for road users,” says Superintendent Sokoni. “We are working together to ensure roads are safe by having no accidents and ensuring drivers respect and follow existing laws.”

For passengers, the system provides real protection. “Now when we hear the alarm during

our journey, we know the driver is speeding,” says Anna Zacharia, a regular bus passenger. “We can ask him to slow down or call LATRA or the police.”

LATRA's strategic vision extends beyond monitoring. The authority is transforming VTS from a tracking tool into a comprehensive prevention system. LATRA is also improving how passengers interact with the system by installing terminal displays for real-time vehicle information and developing a mobile app that lets travelers check bus speeds directly.

The next time you hear that sudden beep on a Tanzanian bus or train, you'll know it's more than an annoyance. It's technology actively protecting lives on the road.

How to Manage Software Teams Without Coding

Technical Project Managers (TPMs) coordinate developer teams, translate client needs into technical requirements, and ensure on-time delivery. This career offers entry into Tanzania's tech sector without programming expertise. Entry-level positions typically pay TZS 3-5 million monthly.

Companies like iPF Softwares now employ multiple TPMs who manage client relationships while technical teams build solutions for banks, telecoms, and government agencies.

Unlike traditional project managers, TPMs understand enough technical concepts to ask the right questions and spot potential problems before they become costly.

Daily Responsibilities

Technical project managers in Tanzania:

- Lead daily stand-up meetings
- Break down requirements into tasks
- Track progress against timelines
- Manage priorities and resources
- Identify problems early
- Facilitate sprint planning

While developers write code, TPMs ensure projects meet business goals and client expectations on schedule.





Entry Paths

Successful TPMs come from diverse backgrounds, including:

- 01.** Computer science graduates who prefer organizing teams over programming
- 02.** Business administration graduates who learn technical concepts
- 03.** Career changers who acquire project management skills

Some TPMs in Dar es Salaam started with University of Dodoma (UDOM) degrees in project planning and now lead teams with more technical backgrounds.

Required Skills

You need five key competencies for this career:

- Project methodologies (Agile, SCRUM)
- Technical vocabulary
- Organization skills
- Communication in technical and business language
- Experience with project management tools and GitHub

Technical managers with SCRUM certification often receive multiple job offers quickly, as

employers value structured project management experience.

Moving From Good to Great

Great TPMs create achievable plans rather than perfect ones. They build relationships instead of just managing stakeholders and prevent risks rather than simply responding to them.

“A good TPM quickly learns technical systems. A great TPM is always learning technical systems,” notes Aadil Maan, former AI product developer at Airbnb who also led programs at Nike and Google.

This applies in Tanzania, where adapting to changing requirements and building strong team connections matters more than rigid planning.

Getting Started

Training options include SCRUM certification through Cybergen Training, online courses through platforms like edX, and practical experience managing smaller projects.

Many TPMs advance from coordinating single projects to directing departments within three years, using their understanding of both business and software needs. The role demands effective planning, communication, and relationship management more than coding knowledge.

Should You Get PRINCE2 or PMP Certification?

By Samvit Rawal, Cybergen ITSM Trainer

Choosing between a PRINCE2 (Projects IN Controlled Environments) or PMP (Project Management Professional) certificate is a chicken-and-egg question, with no definitive answer. The choice depends on who you are and where you are located.

Comparing Methodologies

PRINCE2 follows step-by-step project delivery methods, while PMP provides broader project management principles. The former is well-known and a 'must-have' in Commonwealth countries, while PMP is mostly





preferred in North America. Both certifications have global recognition and multi-industry acceptance.

Anyone who chooses Prince2 not only expands his or her knowledge of project management, but also learns about Risk, Quality, and Change. These three concepts will hold you in good stead throughout your career, whether you manage information technology (IT) projects or not.

My other two favorite aspects of this methodology are “continued business justification” and “continual improvement.” Or, specifically, unless a project has a clear business case that outlines the benefits, costs, and risks, it should not be continued.

When pursuing PRINCE2, ensure you complete the Foundation and Practitioner certifications concurrently or in rapid succession.

Selecting the Right Instructors

First, ensure the training company focuses on the practical and flexible use of PRINCE2 in real-world projects. Second, seek out trainers with specialized, proven expertise in applying the methodology. Avoid those with merely broad project management skills, as PRINCE2 requires specific knowledge.

By following those recommendations, you will have a thorough understanding as well as the confidence to use the method on your future projects. Use it well, and the training cost will pay for itself.

Indeed, for modern project management, you should obtain a PRINCE2 7th Edition certification. It will definitely add value to your resume and your career. Happy learning!

Azampesa Advance Salary:

Give your employees peace of mind with Azampesa Salary Advance - a hassle - free solution that lets you offer up to 50% of their salary in advance.

- No fees or interest
- Quick and easy access
- Zero cost to your company,

As an employer you:

- Boost employee satisfaction
- Reduce financial stress and distractions
- Improve focus and productivity
- Build trust and loyalty within your workforce
- Support employees during unexpected emergencies
- Reduce absenteeism and turnover
- Enhance your company reputation as a caring employer

Contact Us Today!

Email: shahzmah.tim@azampay.com
 Toll Free: 0800 785 555
 Website: www.azampesa.co.tz

TRANSFORM YOUR ONLINE PRESENCE WITH DATAMANICS

Custom Website Design

E-Commerce Solutions

SEO Optimization

Fast Loading Speeds

Responsive & Mobile-Friendly Layouts



Contact Us Now!

+255 764 263 264



5th Floor, PPF Towers,
Ohio Street
Dar-es-salaam, Tanzania

Inside Tanzania's Fastest-Growing IT E-commerce Platform

The afternoon sun streams through the glass doors of Techsoko's showroom at Haidery Plaza in Dar es Salaam. Head of Operations Nuhaila Saleem walks between displays of networking equipment, speaking into her phone as she confirms a software configuration for a hotel in Zanzibar. As a client enters looking for enterprise networking switches, she smoothly transitions from remote support to in-person consultation.

"What specific devices will you be connecting?" she asks, guiding him past sleek security cameras and firewall systems to the networking section. The client explains their office setup, and Nuhaila immediately points to the appropriate equipment. "This one will handle your requirements, and we can configure it before delivery."

This seemingly routine interaction represents what makes Techsoko different in Tanzania's tech market. Started as an online platform before opening its physical location in December 2024, the company offers both hardware products and the technical expertise to make them work.

"Businesses and professionals don't simply need devices—they need devices that solve problems," Nuhaila explains as we sit down after the client leaves with his purchase. "When someone buys a firewall, they are really buying network security. The product is just one part of the solution."

As Operations Manager, Nuhaila has witnessed the evolution of Techsoko's hybrid business model.

We initially built our e-commerce platform because we saw businesses struggling to find specialized tech products in Tanzania," she says. "But we quickly realized customers often want to see and understand these products before buying them.

This insight led to their physical store launch six months ago. Now Nuhaila manages both digital and physical retail channels while coordinating technical services for clients across the country.

The shop displays their eight product categories: telecom devices, wireless equipment, video conferencing systems,



INNOVATOR'S SPOTLIGHT

home networking, firewalls, enterprise networking, access control, and consumer devices. Their analytics show information technology (IT) and network products drive the most sales, with businesses frequently purchasing access points, switches, and structured cabling.

Network infrastructure is the foundation of any modern business,

Nuhaila notes. “We carry over 30 international brands, with particular depth in networking and security equipment.”

When customers purchase items requiring configuration, like firewalls, the Techsoko team doesn't simply hand over boxes. “We book appointments for setup at client locations,” she explains. For customers outside Dar es Salaam, they ship products and provide remote configuration support.

Her background in digital marketing has shaped how she approaches operations.

I track both website traffic and foot traffic to measure our performance,

she says. “We count daily visitors to both channels and analyze which products customers research online versus what they prefer to purchase in person.”

The company has structured its operations around this dual approach. Their website offers multiple payment options, including mobile money, with same-day delivery for in-stock items. Meanwhile, the physical store serves as both retail space and a technical demonstration center.

This model has attracted diverse clients—from hotels in Zanzibar requiring complete technology setups to small offices needing basic network infrastructure.

“Each morning we review pending orders and appointments,” Nuhaila explains. “We discuss inventory status and which products need restocking. For specialized items with unpredictable demand, like e-paper notebooks, we maintain small inventories and closely monitor sales patterns.”

Looking ahead, she sees opportunity in Tanzania's growing tech market. With increasing demand from construction projects in coastal



regions and government-related work in Dodoma, Techsoko plans to expand its physical presence while continuing to improve its digital platform.

Technology adoption is accelerating across Tanzania,” Nuhaila says. “Businesses are increasingly willing to invest in quality tech solutions, especially when they understand how these tools solve their specific problems.

As our interview concludes, a client calls with questions about integrating security cameras with their internet provider. Nuhaila answers with detailed technical advice, demonstrating again how Techsoko’s value extends beyond just selling products.

“We are building more than a tech store,” she says. “We are creating a place where Tanzanian businesses and professionals can find complete technology solutions—hardware, software, and the expertise to make them work together.”





**ATOMS
& BITS**

YOUR TRUSTED TECH SOURCE IN TANZANIA



For partnership inquiries & general information,

 **+255 763 574 266**

 PPF Towers, Dar es Salaam



info@atomsandbits.co.tz



advertising@atomsandbits.co.tz

Beyond Firewood: Tanzania's Briquette Business Grows

Local Companies Transform Waste



The Tanzanian government ordered institutions serving more than 100 people to stop using firewood by December 31, 2024. This has expanded the market for briquettes — compressed fuel blocks made from agricultural waste and sawdust.

Chabri Energy in Mwanza produces KuniSMART briquettes from sawdust with a capacity of 450 tonnes monthly. Factory prices start at Sh500 per kilogram, with prices rising to Sh800 in markets farther from production.

The number of briquette producers in Tanzania has increased from 47 to over 53 since 2021. New businesses have opened in Dar es Salaam and Arusha to serve growing demand.

The Tanzania Industrial Research and Development Organization (TIRDO) recently surveyed 58 producers across 12 regions and tested 44 product samples. They found inconsistent quality and developed four standardized formulations that meet requirements.

Viridium Tanzania uses a different approach. Since 2019, they've grown elephant grass on 2,000 acres in Iringa specifically for briquette production.

The market offers two main products: carbonized briquettes from food byproducts and uncarbonized briquettes from sawdust. Both produce less smoke than traditional cooking fuels.

Transportation costs about Sh100,000 per tonne between major cities. Many companies reduce this expense by using space on trucks that would otherwise return empty.

For large institutional buyers, the State Mining Corporation (STAMICO) has built production plants in coal-rich areas of Kisarawe and Kyelea. Their output reached 20,000 tonnes in December 2024 to serve schools, hospitals, and offices affected by the new regulation.

Briquettes now offer a practical alternative for both households and institutions looking to reduce dependence on charcoal and firewood while keeping fuel costs stable.

Tissue Culture Bananas Boost Farm Income Locally



Tanzanian banana farmers switching to tissue culture seedlings report higher returns per acre compared to traditional farming methods. The technology addresses longstanding challenges that have limited commercial banana farming profitability.

Maua Mazuri supplies disease-free tissue culture banana seedlings to farmers in Tanzania. Their approach targets both small-scale and commercial growers looking to improve production.

Traditional banana farming in Tanzania has struggled with soil-borne diseases, inconsistent planting methods, and low-quality seedlings. These problems led to unpredictable harvests and made commercial cultivation difficult.

Tissue culture technology produces seedlings in laboratory conditions, ensuring they start life free from common diseases. The plants grow at uniform rates and produce harvests at predictable intervals.

The company offers training alongside their

seedlings, teaching farmers best practices for maximizing yields. This knowledge transfer helps farmers with small plots adopt improved farming techniques.

One advantage is more consistent growth. While traditional banana suckers can produce variable results, tissue culture plants typically develop more uniformly, making farm management easier.

For farmers with one-acre plots, the technology presents an opportunity to transform subsistence farming into a more reliable crop. The initial investment costs more than traditional methods, but farmers benefit through improved plant health and consistency.

Maua Mazuri markets their offering with the tagline «Transform one acre into a source of money,» targeting smallholders seeking better results from limited land.

The company's website showcases testimonials from farmers like Veronica, who reports satisfaction with disease-free plants and good results after switching to tissue culture seedlings.



ZANZIBAR
Tech Summit

Zanzibar Tech & Investment Summit

DATE

03-05
JULY '25

VENUE

Rooftop Pavilion, Fumba
Town, Nyamanzi, Zanzibar.

REGISTER



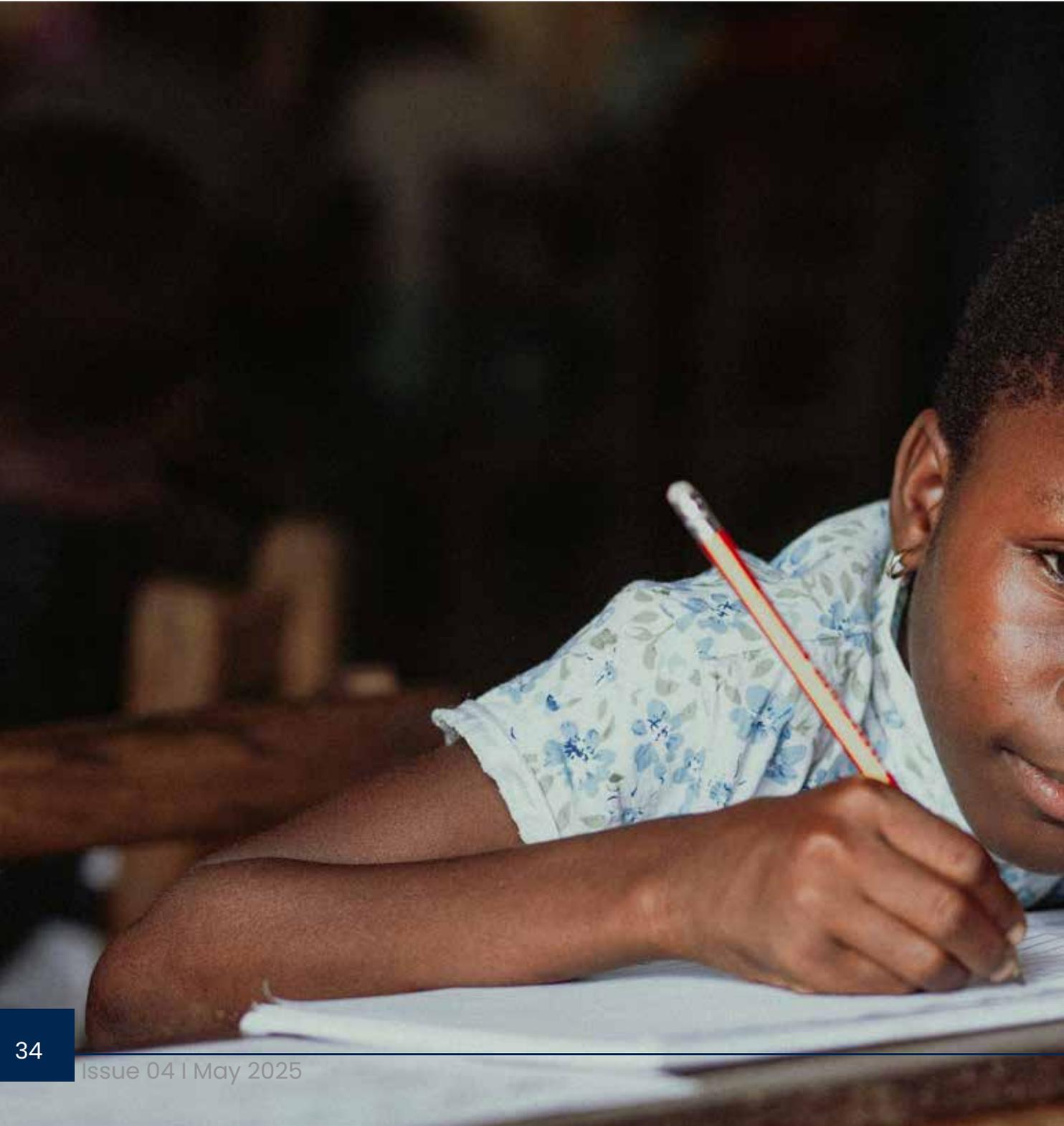
#ZTS25
Reg. Link:

<https://tally.so/r/nW1Wka>



Coding Classes Set to Reach Half of All Students by 2050

Zanzibar sets technology adoption milestones



Less than 1% of Zanzibari students learn coding today. The archipelago's Development Vision aims to change this dramatically, targeting 50% participa-

tion within three decades. The island's plan maps specific benchmarks: 20% by 2030, 35% by 2040, and 50% by mid-century—creating measurable goals rather than vague promises.

Business technology adoption across the archipelago follows similar patterns. Currently minimal, digital integration goals reach 50% by 2030 and 90% by 2050, supported by expanding broadband infrastructure. Zanzibar's household internet coverage, now limited to urban centers, aims to jump to 30% by 2030 and 90% twenty years later.

Broadcasting technology shows comparable transitions, with plans to lift household digital device usage from 25% to 60% by 2030 and 95% by 2050.

These aren't standalone targets. The island's vision document directly connects them to economic growth, with the creative and digital economy projected to contribute 30% to the service sector by 2050—a sector that currently makes up over half of Zanzibar's GDP.

For an archipelago historically tied to tourism and agricultural exports, this shift represents calculated diversification rather than replacement of traditional strengths.

Government services face transformation too, with digitization targets affecting everything from revenue collection to public information access.

What distinguishes Zanzibar's plan from typical development documents are its concrete metrics. Rather than promising "substantial growth" or "significant improvement," each goal includes specific percentages and clear timeframes for implementation.



AI Tools Transform Tourist Experience

Data mining feedback for better service



Tourist reviews on websites once sat idle after serving their purpose. Today on Zanzibar, those same reviews power a revolution in how the island understands and serves its visitors.

The archipelago's tourism sector – accounting for nearly half its GDP – has begun transforming these digital traces into insights that shape real-world experiences. Moving beyond traditional annual surveys, new technology captures visitor sentiment as it happens.

Real-Time Tourism Intelligence

“In the competitive world of tourism, digital tools are crucial for sustainable development,” notes Dr. Aboud Suleiman Jumbe, Principal Secretary of Zanzibar's Ministry of Tourism and Heritage.

The heart of this shift is a web platform developed through collaboration between the UNDP Tanzania Accelerator Lab and Zanzibar Commission for Tourism. The system analyzes thousands of online reviews, distinguishing between praise for a hotel's beachfront location versus frustration with its restaurant service.

This distinction matters. Previously, businesses might only know guests were «satisfied» without understanding which specific aspects earned their approval. The technology now separates these elements, creating meaningful insights that guide improvements.

Beyond Traditional Surveys

For visitors, the benefits materialize through experiences better aligned with expectations. Hotels learn which amenities matter most, tour operators discover which experiences resonate, and restaurants understand menu preferences – all from analyzing patterns in existing online feedback.

Behind these advances sits sophisticated analysis that transforms complex data into simple visual charts. Small business owners can now access insights previously available only to major companies with research budgets.

Addressing Industry Challenges

The island's tourism faces significant challenges despite attracting over half a million visitors annually. Infrastructure limitations, financing constraints, and environmental concerns have historically restricted growth.

This data-driven approach addresses these challenges by helping businesses target improvements precisely. Maps integrated with visitor feedback identify underserved areas

or locations experiencing environmental pressure from tourism activity.

explains Mr. Piyush Sharma, managing director of ZIL Gas Systems.

Democratizing Tourism Data

For an industry that contributes 17% to Tanzania's GDP and creates 1.6 million jobs nationally, these technological tools represent more than convenience – they're essential to sustainable growth.

The transition from static reports to dynamic analysis democratizes information across the sector. Even small tour operators can now understand visitor preferences with clarity previously impossible without substantial resources.

As the islands compete globally for tourists, these digital insights help ensure Zanzibar builds a sustainable future where visitor satisfaction and environmental protection advance together.



Zanzibar Tech & Investment Summit

03-05
July, 2025

Rooftop Pavilion, Fumba
Town, Nyamanzi, Zanzibar.



#ZTS25

<https://tally.so/r/nW1Wka>



Scan QR Code
To Register

REGIONAL INSIGHT: EAST AFRICA & BEYOND

Umba Secures \$5M Loan



Kenyan digital bank Umba secured a \$5 million debt facility from Star Strong Capital to expand its lending operations. Founded in 2018, Umba offers zero-fee current accounts, digital payments, and affordable loans to individuals and small businesses through its mobile app.

The financing will help Umba grow its vehicle and SME loan portfolio while accelerating customer acquisition across Africa.

GOGO Gets UDB Backing



Uganda Development Bank has invested \$3 million in GOGO Electric. This funding will expand local EV manufacturing and assembly operations to meet growing demand across East Africa.

GOGO plans to create more skilled jobs for Ugandans while advancing research and development for e-mobility solutions. The investment aligns with UDB's goals for sustainable industrialization and environmental safety.

Talent Key to AI Leadership

The first Global AI Summit on Africa gathered 1,000+ leaders in Kigali, where Rwandan President Kagame insisted the continent become “an active player, not just a market.”

Participants announced new data centers, predicted AGI by December, encouraged AI agent development, discussed the importance of abundant renewable energy for AI, and committed to upskilling youth.



Tech Giants Meet in Morocco

GITEX Africa 2025 connected 45,000+ visitors from 130+ countries with 1,400+ exhibiting companies, 650+ government entities, and 350+ investors.

Key themes included artificial intelligence, cybersecurity, and digital health. The event also featured a \$110,000 pitch competition and 1,500+ investor meetings connecting founders with funds managing over \$200 billion in assets.



ACROSS BORDERS

Software Works Like Humans



Manus, an AI tool from Chinese company Butterfly Effect, searches the web and completes research tasks just as a human assistant would. It can find journalists' work, locate apartments that match specific needs, and create candidate lists — all while explaining its thinking. Though occasionally it crashes or makes mistakes, users can watch its work and correct it. It costs \$2 per task.

Finland Aims for EU Dominance



Maria 01, a hospital-turned-tech-hub, could become Europe's largest startup campus by 2028. With 2,000+ community members, the not-for-profit space offers networking opportunities, office perks, and even a Finnish sauna for 230+ tech companies. Globally, Finland ranks 7th for innovation and has produced 12 billion-dollar companies. However, it still trails nearby Sweden's 40+ unicorns.

Pentagon Awards Launch Contracts

The U.S. government has distributed \$13.5 billion in space launch contracts to SpaceX (28 missions), United Launch Alliance (19 missions), and Blue Origin (7 missions). The contracts cover high-priority military launches scheduled between 2025 and 2029, with actual liftoffs expected from 2027 to 2032. Mission assignments will be announced annually each October.



Robotaxi Launch Nears Reality

Tesla has renewed its commitment to deliver unsupervised Full Self-Driving (FSD) capabilities by the end of 2025. Testing by users shows the system handling complex driving scenarios with remarkable precision. Rather than an immediate widespread release, Tesla seems focused on launching FSD in select cities, having taken regulatory steps in Texas and California.



ONE-YEAR WARRANTY / FAST SHIPPING / STEP-BY-STEP USER GUIDE / SPEEDY CUSTOMER SERVICE

BOOX NOTE AIR4 C

Unleash Your Ideas with the Color ePaper Notebook Built for Bold Minds.



TECHSOKO DIGITAL STORE

Haidery Plaza, India St, Dar es Salaam.
sales@techsoko.co.tz
Shop Online: www.TechSoko.co.tz

CALL US
+255-765-263-264

Software for Logistics



30+ companies

Containers that arrive at Tanzanian ports often face delays during clearance. Paper documentation moving between customs, banks, and warehouses extends processing time. Tanzanite's ERP digitizes that entire freight process for **30+ companies**. The cloud software connects sales, operations, documentation, and accounting in one system.

Multi-currency features handle international transactions, while automated document generation speeds processing. Clients track shipment progress online rather than through phone calls.

This benefits businesses across sectors. Retailers receive inventory faster, manufacturers maintain production schedules, and perishable goods move quickly through the supply chain.

The pay-monthly model makes sophisticated tools accessible to smaller forwarding companies without expensive hardware investments. For importers and exporters, digital processes create predictable, transparent logistics operations.

WhatsApp as Retail Hub

3-4 hours daily

Tanzanian businesses are selling more through WhatsApp than traditional websites or apps. Why? Customers already use the app daily and trust its familiar interface.

New platforms now help merchants manage product listings, automate customer service, and process payments directly through chat. These tools solve persistent problems for small business owners who previously spent hours answering the same questions about prices and availability.

"I was spending **3-4 hours daily** just answering basic questions," one merchant told us. With automation handling routine inquiries, owners can focus on fulfilling actual orders. The technology behind these platforms combines AI-powered chatbots with payment integrations for mobile money services. Customer data is captured automatically, creating reliable business records that could eventually support lending.

Unlike Instagram, where Tanzanians browse but rarely buy, WhatsApp has become the place where transactions happen. The personal nature of the platform builds the trust necessary for completing purchases.



5 New Gadgets Worth Your Attention

01

Firebox T85-POE

Available at [Techsoko.co.tz](https://techsoko.co.tz)

A business security box that stops hackers and keeps company data safe. Perfect for businesses that need strong network protection without complicated setup.

- Connects and protects up to 8 devices in your office
- Powers security cameras without extra electrical wiring
- Works even during internet outages with backup options
- Simple cloud control panel anyone can understand
- Automatically updates to block new security threats
- Can be set up remotely without technical visits



02

MW75 Neuro

Available at [Neurable.com](https://neurables.com)



- Tracks when your brain needs breaks
- Shows your most productive times of day
- Regular reminders prevent mental fatigue
- Premium noise-cancelling headphones with great sound
- Works with both iOS and Android apps
- Data is encrypted and never sold to advertisers

High-tech headphones that measure brain activity to track focus and productivity, ideal for professionals and remote workers who want to optimize work habits and prevent burnout.

03

Nintendo Switch 2

Available at GameStop Tanzania

A versatile gaming console with a larger screen and more powerful hardware, perfect for casual gamers, families, and Nintendo fans wanting the latest upgrades without learning new controls.

- 7.9-inch 1080p screen with HDR support
- Plays games at up to 120 frames per second
- Connects to TVs for 4K gaming experience
- New magnetic controllers with mouse functions
- Built-in GameChat with voice and video options
- Backward compatible with most Switch games



04

EVI Power UPS

Available at Techsoko.co.tz



- Keeps computers running when electricity is unreliable
- Pure sine wave output protects sensitive equipment
- Wide input voltage range handles fluctuations
- LCD display shows battery status clearly
- USB and RS232 ports for monitoring software
- Two-year warranty with local support

A rack-mountable power backup device that protects equipment during outages. Essential for enterprises, server rooms, and professionals who can't afford to lose work or data.

05

MacBook Air M4

TZS 5.05Mn at iStore.co.tz

Apple's newest lightweight laptop with better speed and longer battery life. Great for students, office workers, and anyone who wants a fast computer they can easily carry around.

- New sky blue color with matching charging cable
- Supports two extra screens
- Camera follows you during video calls
- 18-hour battery life
- Touch ID fingerprint login
- Ultra-thin, fits in any bag
- No fan, runs silently



5 Fintech Trends to Watch

The African remittance market will transform dramatically by 2026. While official figures place the market at \$98B, true volumes likely reach \$250-300B when including informal channels. Despite digital growth, only 53% of the African diaspora use digital apps for remittances.

Five markets show exceptional growth potential:

First, enabling money transfer from Africa back to sender countries will create informal lending economies and increase diaspora confidence in sending more money home. Regulatory hurdles and dollar shortages currently limit this opportunity.

Second, direct bill payment capabilities address trust concerns, as 60% of senders doubt their money is fully used as intended. NALA's direct PayBill implementation on M-Pesa demonstrates growing adoption, despite operational challenges tracking payment reliability.

Third, issuing prepaid cards to recipients in bank-led markets like Nigeria and South Africa gives senders unprecedented control while creating new revenue streams through transaction fees.

Fourth, “send now, pay later” options align with predictable remittance patterns (most UK/EU transfers occur monthly on the 25th) while providing flexibility for emergency needs.

Finally, with 60% of remittances funding healthcare, diaspora health insurance for recipients represents a growing opportunity, despite potential support challenges.



Martian Railroad Network

By 2034, NASA's expanded Artemis program will establish not just a sustainable lunar presence but the first foundations of a Martian transportation system. Following successful tests of autonomous rovers and regolith-converting equipment, the Mars Railroad Initiative will deploy solar-powered magnetic levitation tracks connecting key settlement zones.

Initial drone-deployed segments will establish a 17-kilometer network between water extraction facilities and habitat modules. The system will transport materials, equipment, and eventually personnel without requiring pressurized vehicles for every journey.

Unlike Earth's railways, Martian tracks will be manufactured entirely using regolith-derived materials, hence addressing prohibitive Earth-to-Mars shipping costs.

These railways represent the transition from exploration to permanent settlement on Mars, effectively transforming the planet from "robot-only" to humanity's second home.



Digital Identity Revolution



By 2030, Africa could have an interoperable digital identity system linking 99.9% of citizens to essential services. Building on current pilots in seven countries, the AU-backed system will enable seamless cross-border travel, financial services, and healthcare access across all 54 member states.

Unlike earlier fragmented initiatives, this unified system benefits from regionally standardized biometric protocols and authentication frameworks. The transformation addresses Africa's historical "invisible population" challenge, where half a billion people previously lacked formal identification.

Mobile penetration approaching 95% provides the distribution infrastructure, while blockchain ensures data sovereignty remains with citizens rather than commercial providers.

This move will enable trusted cross-border commerce, reduce remittance costs by 80%, and expand access to essential services through a single verifiable identity.

Strategic Tech Training Worth Your Company's Investment

Founded over a decade ago, Cybergen has evolved from a training center into a comprehensive ICT consulting firm serving government agencies, corporations, and NGOs across Tanzania. With training facilities and global experts in both Dar es Salaam and Zanzibar, it delivers flexible delivery methods, including onsite, premises-based, and virtual instruction.

Cybergen has prioritized these programs for the coming months:

Security Fundamentals

Security Operations Center Analyst:

Learn practical threat detection and monitoring that prevents attacks before damage occurs.

Certified Information Systems Auditor:

Master techniques for verifying whether your organization's systems meet regulatory requirements and industry standards.

System Management

■ **Oracle Database Administration:** Focus on performance optimization, security hardening, and disaster recovery for business-critical data systems. Addresses common challenges like system slowdowns and service interruptions.

■ **Certified Information Security Manager:** Develop skills to translate technical security concepts into business language, helping technical leaders communicate effectively with executives about risk management.



Emerging Technologies

■ **Virtual Reality Training Development:**

Create immersive training simulations that significantly improve safety and knowledge retention in diverse workplace settings.

■ **Augmented Reality Applications:** Build solutions that overlay digital information onto physical environments, creating new customer engagement possibilities without massive development costs.

Organizational Efficiency

■ **Scrum Master Certification:** Implement practical agile methodologies that deliver immediate productivity gains for teams struggling with project delays and coordination challenges.

■ **Scaled Agile Framework (SAFe) Leadership:** Learn structures that help larger organizations maintain flexibility despite size, improving decision speed without sacrificing quality control.



Upcoming Courses



May 2025

- **SOC Analyst**
- **CISA**
- **CISSP**
- **CISM**
- **Oracle Database**

- 3 days | 05 - 07 May
- 5 days | 12 - 16 May
- 5 days | 19 - 23 May
- 5 days | 26 - 30 May
- 5 days | 12 - 16 May

June 2025

- **FortiNet NSE 8**
- **Scrum Master**
- **VR Training**
- **AR Training**
- **SAFe Leadership**

- 5 days | 02 - 06 June
- 2 days | 09 - 10 June
- 5 days | 09 - 13 June
- 5 days | 16 - 20 June
- 2 days | 23 - 24 June

All programs are taught by internationally certified trainers who bring global best practices to Tanzania.

Contact Cybergen for registration:
+255 753 666 601
info@cybergentraining.co.tz

THE EVENT HUB

calendar
upcoming

event

MAY 20 25

MAY	5-7	EmTech AI 2025 - (MIT Campus and online) Business-focused AI conference with 400 executive attendees in an intimate setting.
MAY	7-9	eLearning Africa 2025 - (JNICC , Dar es Salaam) Digital education conference attracting 1,200 participants from 82 countries.
MAY	12-16	Innovation Week Tanzania 2025 - (JNICC, Dar es Salaam) National showcase also featuring Vodacom's Future Ready Summit on resilient innovation.
MAY	20-22	GREENTECH FESTIVAL 2025 - (Messe Berlin, Germany) 300+ speakers and 10,000+ attendees exploring innovations in mobility, energy, and industry.
MAY	20-22	Women In Tech Global Conference - (Virtual and satellite events) Platform connecting 100,000 participants and 500+ speakers across three virtual summits.
MAY	21-22	ESG and Climate Africa Summit 2025 - (Nairobi and online) 150+ professionals promoting sustainability integration across African sectors.
MAY	27-28	Broadcast And Digital Media Convention - (Kampala, Uganda) Industry meeting on digital transformation, regulations, and content monetization.
MAY	30-31	Tanzania Dental Expo 2025 - (Mlimani City, Dar es Salaam) Exhibition for dental professionals with equipment displays and oral health workshops.
MAR	30-31	Zanzibar Tourism & Investment Show - (Zanzibar Exhibition Center) Showcase of 200+ tourism businesses and investment opportunities with industry seminars.

THE EVENT HUB

calendar
upcoming

event

June 20 25

JUN 06-08	KILIFAIR 2025 - (Magereza Grounds, Arusha) Seminars on sustainable tourism and hospitality from global speakers.
JUN 09-13	ISACA Annual Conference 2025 - (Arusha) IT professionals gathering focused on information systems security and governance.
JUN 09-13	African Conference on Agricultural Technology - (Kigali) Global stakeholders discussing tech solutions for farmers and accessibility challenges.
JUN 09-13	Apple WWDC25 - (Online with in-person event) Free conference on Apple software with video sessions and engineer connections.
JUN 12-13	New Cities Summit - (Emara Ole-Sereni Hotel, Nairobi) Urban development forum connecting governments, founders, financiers, and developers.
JUN 12-13	The Future of Electronics RESHAPED - (UMass Boston and online) Additive electronics conference with 70+ speakers and 75+ global exhibitors.
JUN 16-26	ANH Academy Week 2025 - (Online and JNICC, Dar es Salaam) Global nutrition community event with online labs co-hosted by Sokoine University.
JUN 24-27	Africa Youth in Tourism Innovation Summit 2025 - (Nairobi) Business development platform offering networking and investment opportunities.
JUN 25-27	Middle East-Africa Digital Transformation Summit - (Kampala) COMESA and Uganda ICT Ministry forum engaging youth from 70+ universities.

Good Customer Conversations Aren't About Luck. **They're engineered.**

AI Conversation Quality Analysis empowers businesses to analyze 100% of their conversations, uncovering intent and emotion in every customer interaction.

Slash operational costs by more than 60%



Multilingual conversation analysis



Analyze conversations at scale with speed



Exotel
Authorized
Partner

**Talk to Our
Expert Now!**



www.flashnet.co.tz



+255-711-803-642



An ISO 9001 : 2015 Certified Company



IT INFRASTRUCTURE FOR NEW OFFICE



**From Connectivity to Security
Everything Your New Office Needs**

www.flashnet.co.tz

+255 778 889 180