



POLYGON EXTRA LIMITED Profile

MOVING WITH TECH



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About Company

Polygon Extra limited is a prominent provider of fast, affordable, and reliable internet and communications solutions across the African continent. Established with a commitment to bridging digital divides, Polygon Extra limited specializes in internet solutions, Security Systems, Network Applications, and tailored connectivity options for both residential and business clients.

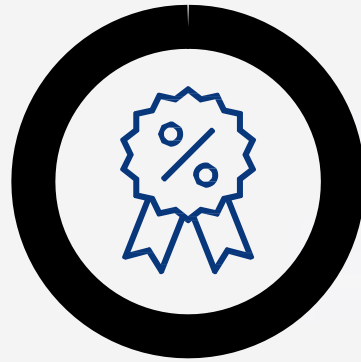
Our Mission

To empower individuals, businesses, and communities with reliable, high-speed internet access and cutting-edge Technological solutions. We are dedicated to enhancing connectivity across the region through innovation and customer-centric services.

Our Vision

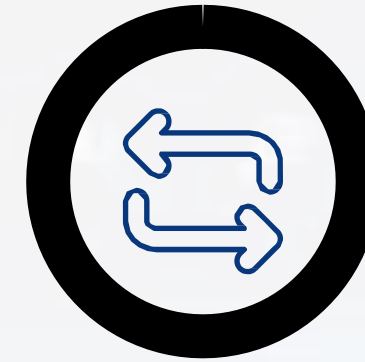
To be the leading provider of fast, affordable, and reliable internet and communications solutions in East and Central Africa, driving digital transformation and socio-economic development by delivering reliable, innovative, and customer-centric services.

Core Values



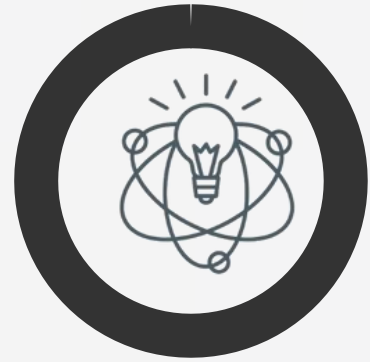
Integrity

Integrity is upheld as a cornerstone of all interactions. This means conducting business with honesty, transparency, and ethical standards.



Reliability & Quality Service

- **We deliver consistent, high-speed internet with minimal downtime."**
- **Our network is built for resilience to ensure uninterrupted connectivity to our Customers.**



Innovation & Technological Advancement

Innovation is actively encouraged and embraced at Polygon Extra limited. The company recognizes the importance of staying ahead in a rapidly evolving technological landscape thus Investing In next-gen Infrastructure (fiber,5G and Low -latency networks).

We also maintain continuous Upgrades to improve speed and coverage.



Transparency & Honesty Commitment

- "No hidden fees—clear pricing with no surprises."
- "Open communication about data caps, throttling, and service limitations."



Affordability & Accessibility

- "Providing budget-friendly plans without compromising quality."
- "Bridging the digital divide by expanding service to underserved areas."

Core Services

At polygon, we offer a wide range of technological solutions designed to meet the diverse needs of our customers.

01

Internet Connection

- Polygon Extra Limited specializes in providing internet services to user's businesses and homes.
At polygon Extra limited we provide Affordability & Accessibility internet services through airfaibar kenya telecommunication and kwetu hotspot

02

Security Systems

At Polygon Extra limited, We security systems on the follo areas: -Electric Fences, CCTV Access Control, Time and att



03

DIGITAL TRANSFORMATION JOURNEY

- Provides comprehensive business communication solutions tailored to meet the unique needs of enterprises.
- Includes services such as VoIP (Voice over Internet Protocol), unified communications, and collaboration tools.
- Ensures secure and efficient communication channels to enhance productivity and streamline operations.

04

In-Building Infrastructure

- Provides dedicated bandwidth and symmetrical upload/download speeds for consistent performance.
- Tailors solutions to accommodate specific business requirements, ensuring optimal internet performance and reliability.



Innovation

At Polygon Extra Limited, innovation isn't just a buzzword—it's our foundation. We relentlessly pioneer smarter, faster, and more inclusive internet solutions to power tomorrow's digital world."

How We Deliver on This Commitment:

1. Future-Proof Infrastructure

- Deploying **AI-optimized networks** that self-adjust to traffic patterns.
- Investing in **fiber-to-the-home (FTTH), (FTTB) and 5G hybrid networks** for seamless connectivity.

2. Cutting-Edge Security

- **Quantum-resistant encryption** to future-proof user data.
- **Blockchain-based authentication** for tamper-proof access control.

3. Sustainable Connectivity

- **Solar-powered base stations** for off-grid communities.
- **Carbon-neutral data routing** via energy-efficient algorithms.

4. Hyper-Personalized Services

- **NFT-based bandwidth plans:** Customizable tiers with digital ownership perks.
- **AR-powered troubleshooting:** Customers scan outages with their phones for instant fixes.

5. Bridging the Digital Divide

- **Pay-as-you-go satellite internet** for remote areas.
- **Free public Wi-Fi hotspots** funded by decentralized ad-sharing models.

At Polygon Extra Limited, we push the boundaries of internet innovation—delivering blazing-fast, secure, and sustainable connectivity. Through AI-driven networks, blockchain-powered transparency, and eco-friendly solutions, we empower businesses and communities to thrive in a digital world

Our Security Framework

Polygon Extra Limited's Commitment to Security: Protecting Every Connection

At Polygon Extra Limited, we don't just provide internet—we safeguard it. In an era of escalating cyber threats, our multi-layered security architecture ensures that every byte of data traveling through our network is shielded from malicious actors.

Our Security Framework

1. Network-Level Protection

- Military-Grade Encryption: All traffic secured with AES-256 and quantum-resistant protocols.
- AI-Powered Threat Detection: Real-time monitoring for DDoS attacks, malware, and intrusions with automated mitigation.
- Zero-Trust Architecture: Strict identity verification before granting network access—no blind trust.

2. Customer Privacy Assurance

- Strict No-Logs Policy: We never store, sell, or share browsing history.
- Built-in VPN: Free end-to-end encrypted tunneling on all plans.
- Ad & Tracker Blocking: Optional DNS-level filtering to stop spyware and phishing.

3. Infrastructure Hardening

- Blockchain-Secured Authentication: Tamper-proof access logs for ISPs and customers.
- Distributed Denial-of-Service (DDoS) Resilience: Scrubbing centers absorb attacks before they reach you.
- 24/7 Security Operations Center (SOC): Experts monitoring for anomalies around the clock.

4. Compliance & Transparency

- GDPR, CCPA & Local Law Adherence: Your data rights are enforced.
- Independent Audits: Regular penetration testing by ethical hackers.
- Public Security Reports: Full disclosure on incidents & resolutions.



Market

At Polygon Extra Limited, we don't just compete—we redefine markets. Our strategy blends aggressive infrastructure expansion, hyper-local customer engagement, and disruptive pricing models to capture underserved demand across the region

"We don't chase market share—we create new markets."

At **Polygon Extra Limited**, we believe collaboration drives progress. By partnering with **other ISPs, mobile operators, and telecom infrastructure providers**, we deliver **broader coverage, better redundancy, and cost-efficient connectivity** for all Kenyans.

Our Partnership Models1. Peering & Bandwidth Exchange

-  **Local IXP Participation:** We peer at **KIXP (Nairobi)** to reduce latency and cut costs for Kenyan traffic.
-  **Transit Partnerships:** Partnering with **Tier-1 global carriers** for affordable international bandwidth.
- **2. Infrastructure Sharing**
-  **Tower & Fiber Co-Use:** Lease/share masts, ducts, and dark fiber with **Safaricom, Airtel, and Telkom Kenya**.
- **3. Wholesale & Reseller Programs**
-  **MVNO & ISP Licensing Support:** Help smaller providers launch services using our backbone.
-  **Bulk Bandwidth Sales:** Affordable wholesale packages for **schools, SMEs, and ISPs**.
- **4. Roaming & Bundled Services**
-  **Wi-Fi Roaming Alliance:** Customers access hotspots across partner networks seamlessly.
-  **Cross-ISP Bundles:** e.g., "Buy fiber from us, get Airtel 5G backup free."
- **5. Emergency & Redundancy Pacts**
-  **Disaster Recovery Backups:** Automatic failover to partner networks during outages.
-  **Joint Cyberdefense:** Shared threat intelligence with **CERT-Ke and other ISPs**.

- Why Partner with Polygon?
-  **Cost Savings:** Shared infrastructure cuts deployment costs by **30–50%**.

 **Extended Reach:** Leverage our **fiber in 15+ counties** and growing.

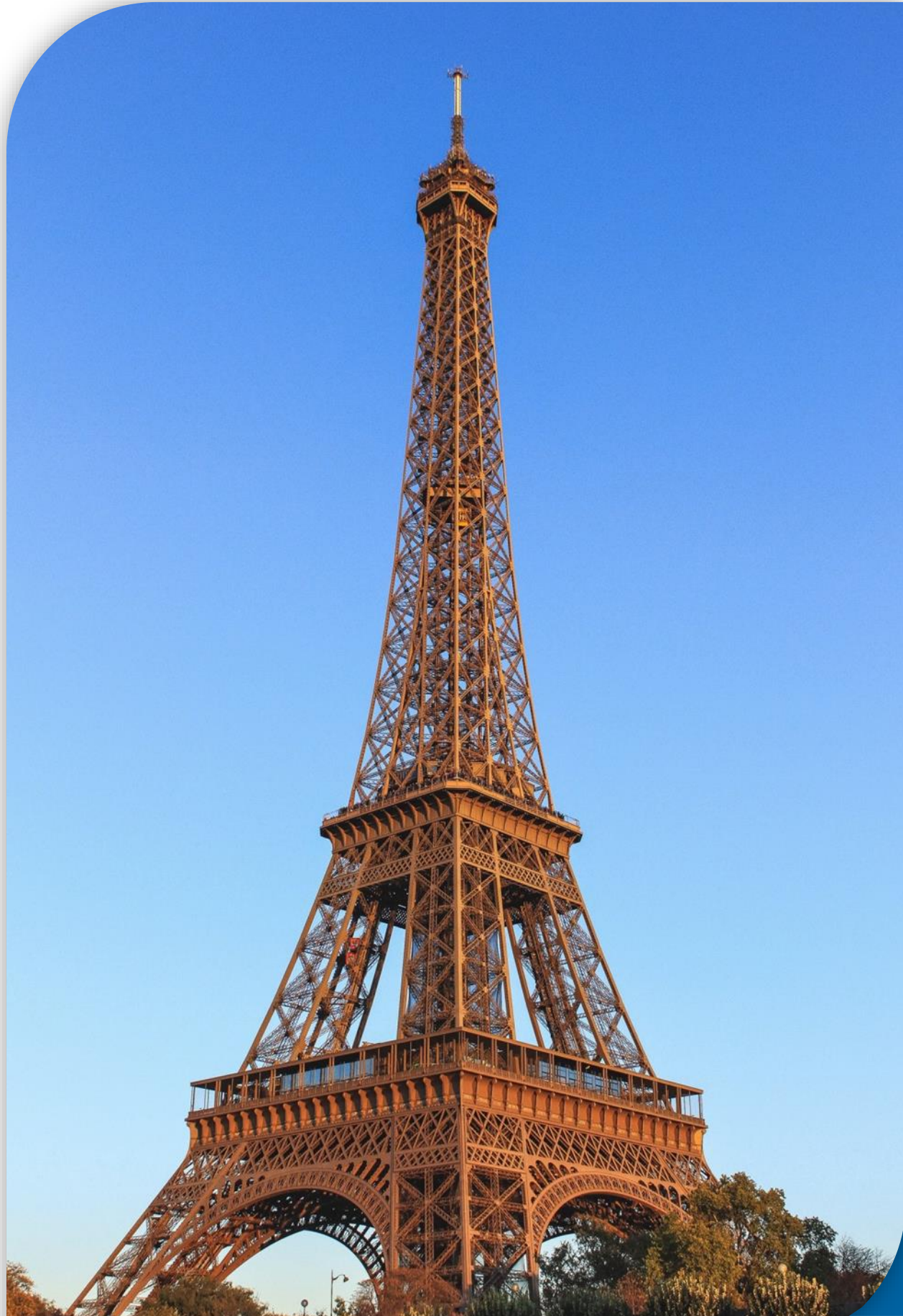
 **Regulatory Compliance:** We handle **CAK, KRA, and ODPC** alignment.
- "Alone, we connect. Together, we transform."

- Current Partners Include:
-  **Safaricom** (Fiber backhaul, 5G trials)

 **Liquid Intelligent Technologies** (Pan-African transit)

 **Wananchi Group** (Zuku) – **last-mile co-investment**

 **County Governments** – **right-of-way agreements**



Large Enterprises and Corporations

Large enterprises require dedicated internet solutions to support their critical operations, including data centers, cloud services, and remote connectivity for employees.



Strategic partnerships: powering Next-gen Connectivity Together.

At Polygon Extra Limited, we believe collaboration drives innovation. Our partnership ecosystem is designed to amplify value for customers, businesses, and communities through shared expertise, infrastructure, and vision.

Our Partnership Approach

1. Technology & Infrastructure Partners

- **5G & Fiber Expansion:** Collaborating with hardware vendors to deploy **modular, scalable networks** faster and cheaper.
- **Edge Computing:** Partnering with cloud providers to reduce latency for gaming, IoT, and enterprise applications.
- **Renewable Energy Providers:** Building **solar/wind-powered base stations** for sustainable connectivity.

2. Content & Service Partners

- **Streaming & Gaming:** Prioritized bandwidth partnerships with platforms like Netflix, YouTube, and Twitch.
- **E-Learning & Telehealth:** Free/discounted access to educational and medical services in underserved regions.
- **Smart Cities:** Integrating with municipal IoT projects for traffic, security, and utility management.

3. Financial & Payment Innovators

- **Crypto & Web3:** Accepting **stablecoins, DeFi micropayments**, and NFT-based subscriptions.
- **Mobile Money & BNPL:** Flexible payment options for prepaid and postpaid users.

4. Community & Government Collaborations

- **Last-Mile Initiatives:** Working with local governments to subsidize rural and low-income connectivity.
- **Digital Literacy Programs:** Partnering with NGOs to train communities on safe, productive internet use.

5. Startup & Developer Ecosystem

- **API Access:** Letting startups build on our network with **speed, security, and scalability**.
- **Incubation Hubs:** Supporting African tech talent with **testbed infrastructure and grants**.

Growth Strategy

Growth Strategy for Polygon Extra Limited in Kericho, Bomet & Nakuru Counties

To establish **market dominance** in these key Kenyan regions, we propose a **three-phase strategy** combining **infrastructure expansion, community-driven adoption, and strategic partnerships**—all tailored to local needs.

Phase 1: Infrastructure Rollout (0-12 Months)

Kericho County (Tea & Agri-Tech Focus)

- **Priority Zones:** Litein, Kericho Town, Kipkelion
- **Hybrid Fiber-Wireless Backbone:** Deploy **fiber along tea factory corridors** (leveraging existing utility poles) + **fixed wireless** for rural smallholders.
- **Agri-Tech Partnerships:** Bundle internet with **soil sensors & farm management SaaS** for tea/coffee cooperatives



Meeting Growing Demand for Affordable and Reliable Internet

Polygon Extra Limited's Unbreakable Connectivity Promise

At **Polygon Extra Limited**, we understand that **reliability isn't a luxury—it's a necessity**. Whether you're running a business, attending an online class, or staying connected with loved ones, our network is engineered to **stay up when others go down**

Why Our Internet is Africa's Most Reliable

- ✓ Network Resilience Built for Africa
 - ✓ Redundant Fiber Backbone: Dual-path fiber routes prevent single points of failure.
 - ✓ Hybrid 5G + Fixed Wireless: Seamless failover if one connection drops.
 - ✓ Solar-Battery Backup: Towers stay online during power outages (up to 72 hours).

Service Reach and Coverage

At Polygon Extra Limited, we are committed to delivering high-speed, reliable internet access to urban hubs, peri-urban zones, and underserved rural communities across Kenya. Our network is strategically designed to ensure seamless coverage, scalability, and future-ready connectivity for homes, businesses, and institutions.

How We Ensure Quality Coverage

-  **Hybrid Network Design:** Fiber + wireless for maximum reliability.
-  **GIS-Driven Deployment:** Data-led expansion to avoid overbuild.
-  **Partnership Model:** Collaborate with counties, utilities, and MNOs.

At polygon, We don't just cover places—we empower them.

Regulatory Compliance

At Polygon Extra Limited, we don't just meet regulatory requirements—we exceed them. Our operations are built on transparency, accountability, and strict adherence to Kenyan and international standards, ensuring safe, fair, and lawful internet access for all.

How We Stay Compliant

**1. Licensing & Legal Framework

- ✓ **CAK-Approved ISP:** Fully licensed by the **Communications Authority of Kenya (CAK)**.
- ✓ **Data Protection Act Compliance:** Registration with the **Office of the Data Protection Commissioner (ODPC)**.
- ✓ **KEBS-Certified Equipment:** All network hardware meets **Kenya Bureau of Standards** guidelines.

**2. Consumer Protection

- 📄 **Clear Terms of Service:** No hidden fees or unfair throttling.
- 🔒 **Privacy Guarantee:** We **never sell user data**—strict adherence to **GDPR & Kenya's Data Protection Act (2021)**.
- ⚖️ **Dispute Resolution:** Dedicated **CAK-listed complaints desk** for unresolved issues.

**3. Network & Security Regulations

- 🌐 **Anti-Spam & Fraud Prevention:** ITU-aligned systems to block phishing/scam traffic.
- 📡 **Spectrum Compliance:** Legal use of **5G, LTE, and TVWS frequencies** as allocated by CAK.

**4. Content & Usage Monitoring

- 🚫 **No Illegal Content:** Automated + manual filtering per **Kenya's Cybercrimes Act**.
- 📶 **Net Neutrality:** We **do not** throttle or prioritize paid content unfairly.
- 📄 **Lawful Interception:** Cooperation with **authorities under court orders only**.

**5. Tax & Financial Compliance

- 💰 **KRA-Tax Compliant** as required.
- 📊 **Regular Audits:** Independent **financial and security audits** for accountability.

Why Compliance Matters for You

- ✅ **Safe from Shutdowns:** Fully licensed = no service disruptions.
- ✅ **Data Privacy Assured:** Your browsing stays **yours**.
- ✅ **Fair Service:** No hidden restrictions or throttling.

"We operate in the light—so you can trust every byte."

Thank You!

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