



# COMPANY PROFILE

*Connectivity solutions optimally aligned  
with your business goals.*

# Who we are

*There is more to being the connectivity solutions provider of choice!*

e.Stream Networks is an integrated connectivity solutions provider that uses various technologies to provide bespoke connectivity solutions, and IT services/support to our varied customers across the country.

As an ISO 9001:2015 certified organization focused on the development, deployment and management of IT solutions, we are committed to a high level on integrity aimed at ensuring we follow systems and processes that ensure safety of lives and property while delivering high economic value and convenience to our customers.

Our strategic partnership with leading global and African carriers has aided us in providing an excellent service replete with constant uptime, robust QoS (Quality of Service) and a large scale connectivity manning all areas in Nigeria. Also we deliver, excellent services from the Western to the Southern parts of Africa all the way to Europe.

By partnering with our clients, we've successfully developed various bespoke solutions to meet their needs thereby adding value to our client's growth.



## Vision

To be the connectivity solutions provider of choice



## Mission

Deployment and management of various communication services while supporting our clients to exceed their business objective.



## Quality Policy

We at e.Stream Networks: are committed to continually improve the quality of our connectivity Solutions to meet customers' and regulatory requirements through the active participation of all our employees and partners.

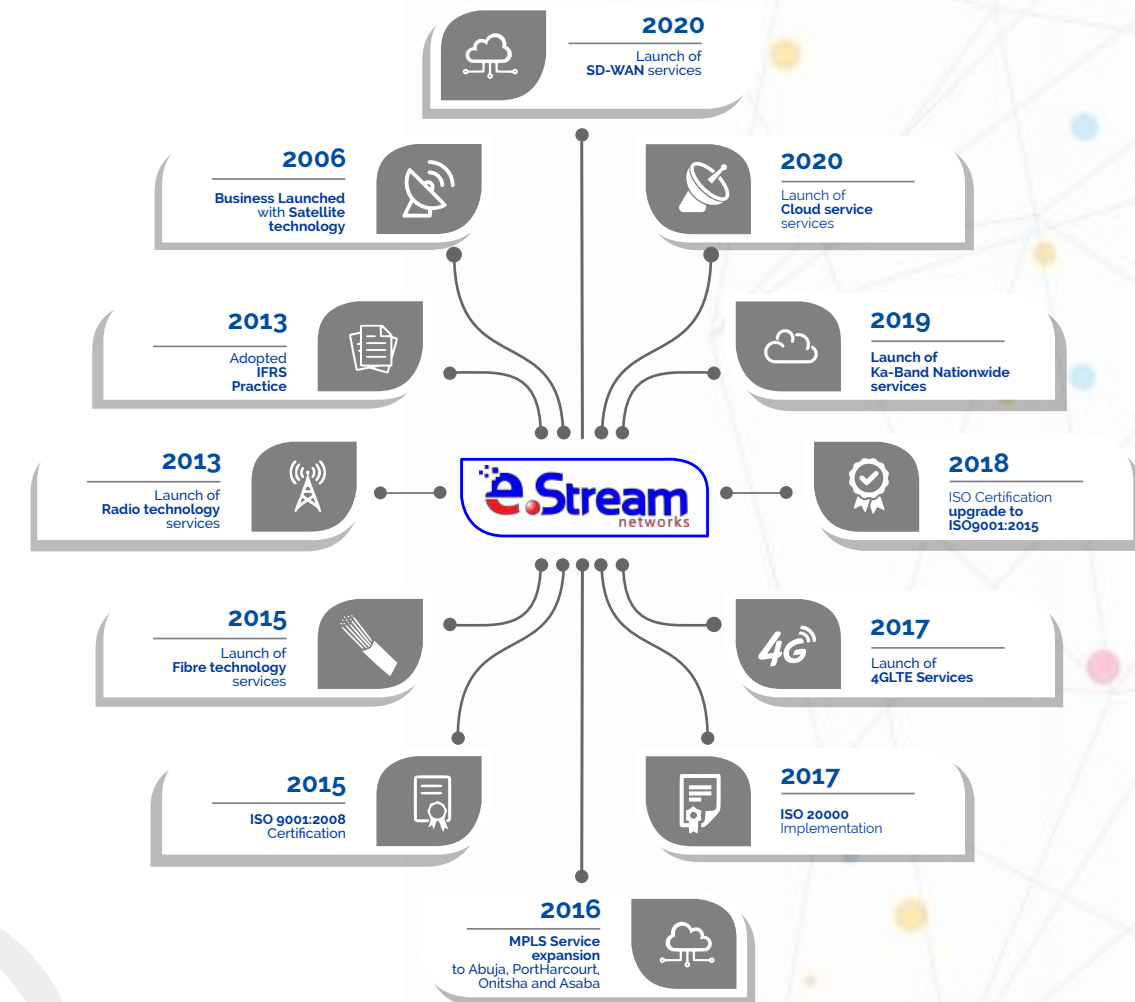
The  
future  
is now.



[www.estreamnetworks.net](http://www.estreamnetworks.net)

1

# e.Stream through the years



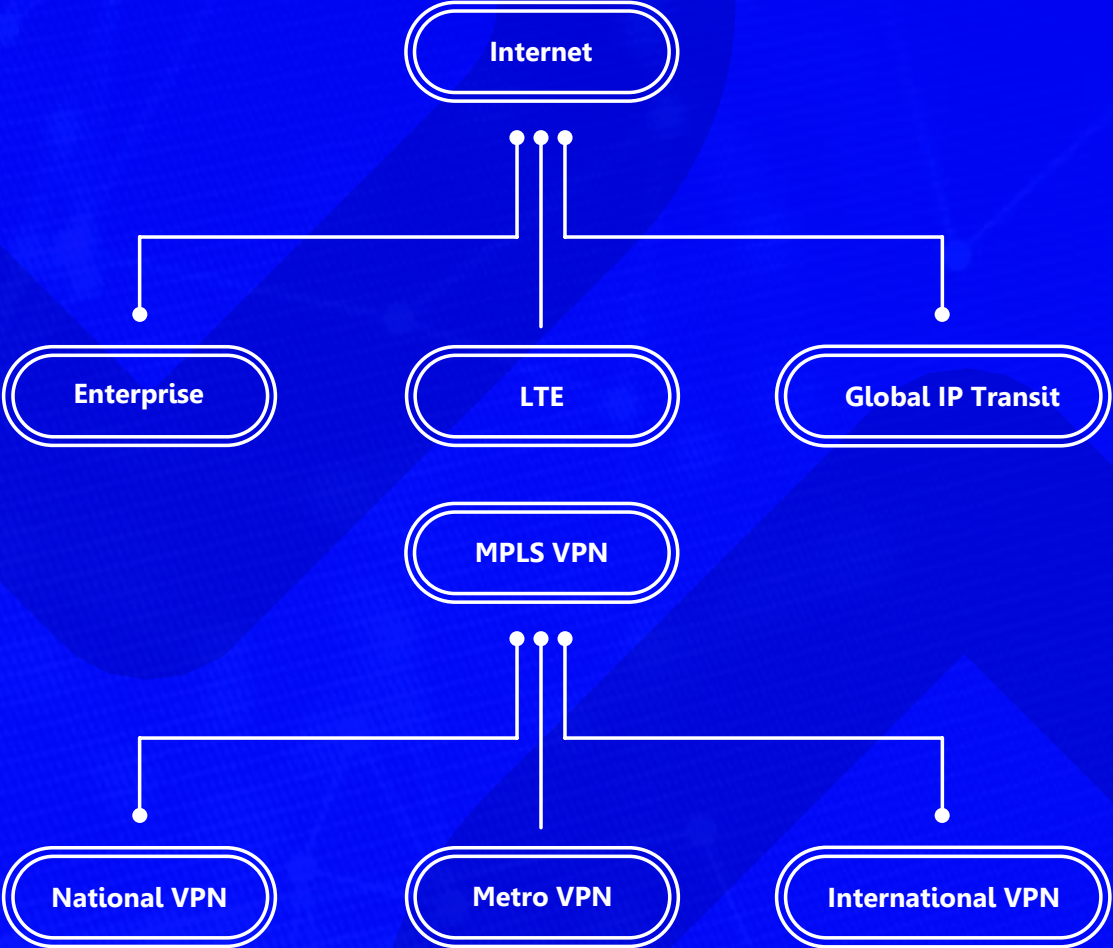
*As an organisation, we are committed to constantly growing and improving our Systems, Processes and People to enable us deliver*

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2

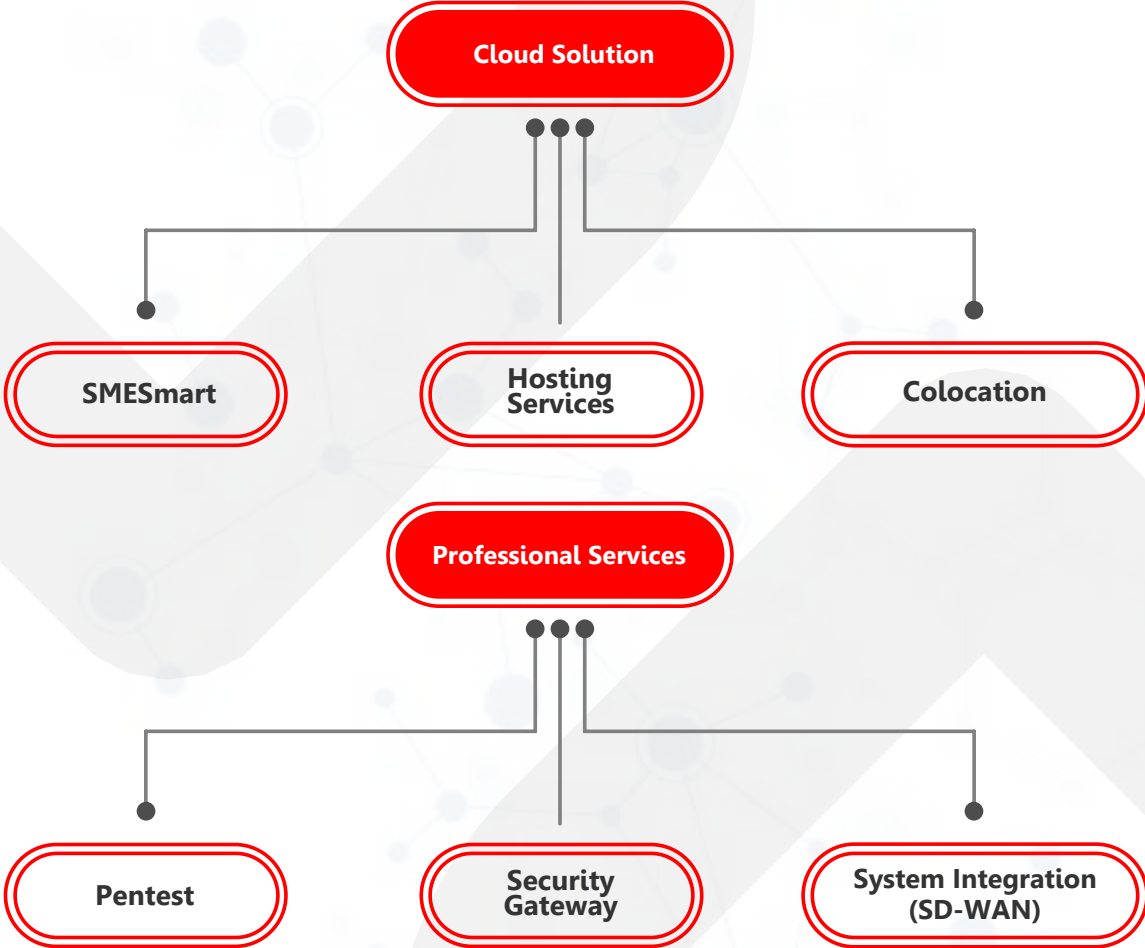


# Our Solutions



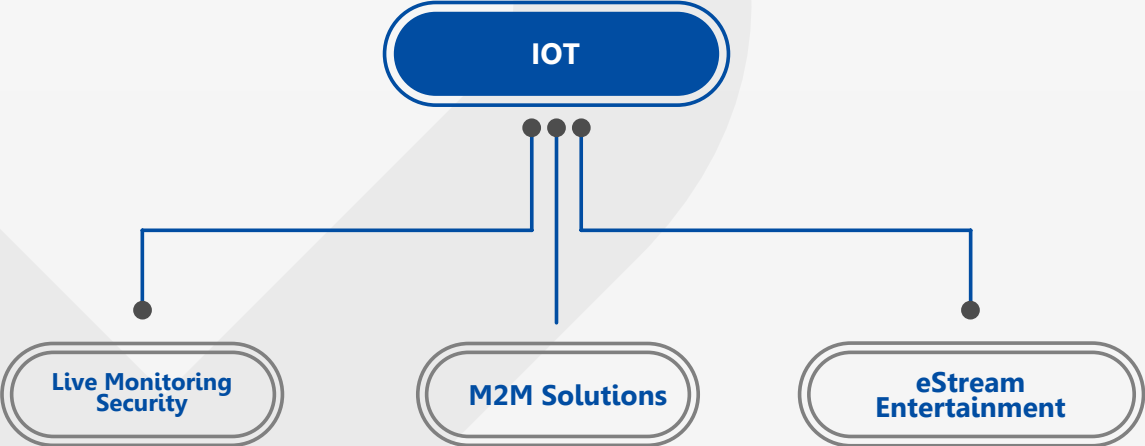
*We provide a blend of flexible connectivity solution for homes and businesses. You can enjoy uncapped data access, scalability and flexibility.*

# Our Solutions



*By partnering with our clients, we focus on their varying connectivity requirements and invest in developing a bespoke solution to meet such requirement which adds value to our client's growth.*

# Our Solutions



Welcome to the  
**future**



# Technologies

## Microwave Radio

Estream has built redundant and gigabyte core microwave backbone rings in selected cities. All nodes and POPs are fully connected primarily via Fibre Optic Cables backed up with microwave radios. All our infrastructure are MPLS enabled.

From our core network we can provide:

### Point-to-Point

Licensed PtP Radios that can deliver speeds up to STM1s.

### Point-to-Multi-Point

PtmP links for lower capacities of up to 45Mbps.

## Fiber

Estream with strategic partners in selected cities has jointly invested in Fiber optics infrastructure; which enable us to deliver fibre - FTTx, to communities, multi dwelling units and estates.

Our deployed FTTx is our key to drive the next-generation access (NGA), allowing us to deliver threble play services at an incredible speed and excellent quality of the service.

## 4GLTE

Our 4GLTE services is delivered on an innovative and a state-of-the-art, world class 8 by 8 MIMO LTE Network and available in selected cities.

We provide enterprise class wireless broadband access with speeds 10 times faster than 3G on prepaid and postpaid products and services.

## Satellite

We deliver our solutions using the following Satellite technologies:

### Ku-Band

We have 2 iDirect Hub located in Lagos Nigeria, with satellite footprint over the West African Sub-region. e.Stream has the capability and resources to deliver services across the region.

### Ka-Band

In partnership with Avanti, e.Stream has services on Hylas 4 satellite using the Newtec platforms. With this best in class Satellite we are able to deliver speeds of up to 50Mbps on an antennae size of 75cm to 1m. With our dual redundant gateways located in Lagos, we provide an excellent availability performance and additional resilience to weather induced signal attenuation.





# Internet

eStream internet access provides a secure and direct connection to world wide web via multiple submarine cables that are peered directly with global internet exchanges. Due to the huge capacity we have at our NOC, we have designed and developed a range of flexible internet access solutions that supports both IPV4 and IPV6 to satisfy any kind of business requirement.

## Enterprise Internet Access

This is our uncapped data access premium service for high-end corporate businesses that require dedicated (unshared) internet 24/7. Bandwidth capacity ranges from 2mbps to 310mbps.

This means with your dedicated Internet, you can enjoy:

- ▣ Uncapped Data Access
- ▣ Scalability
- ▣ Flexibility
- ▣ Reasonable Price
- ▣ Services available Nationwide

## Shared Internet Access

Shared Internet Access (SIA) Plans involves bandwidth sharing among users. On a shared Internet connection, bandwidth is split among all users and devices.

The design is such that a certain number of users are configured to be part of a bandwidth pool or group.

This package is usually recommended for homes and small businesses with limited internet use.

Subscribers can now experience:

- ▣ Better browsing quality - No buffering.
- ▣ Increased browsing capacity at mind boggling speed.
- ▣ Easy video and audio streaming.
- ▣ Clear Video conferencing

## Global IP Transit (GIT) Access

Our GIT is designed to connect Nigeria with the outside world on an Autonomous System Number(ASN).

This service is meant for organizations that requires very high critical business applications with maximum performance because our GIT operates on multiple routes to the web.

Bandwidth capacity ranges from 50Mbps to 155Mbps.



7

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# VPN

eStream's MPLS VPN use Multi-protocol Label Switching (MPLS) to create Virtual private networks (VPNs) which allows remote users in branch offices to access centralized corporate applications and resources.

The MPLS technology provides an industry and global standard for safe and encrypted connection over a less secure network. MPLS VPN is a flexible method to transport and route several types of traffic while maintaining privacy through security procedure and tunneling protocols.

Our MPLS VPN can be delivered using any of our technologies.

## National VPN

Our dedicated Private Leased Circuit (PLC) is built on multiple Fiber backbone using SDH/SONET technology.

This technology enables clients to automatically switch traffic between the multiple fiber paths that interconnects our various POPs without any loss in data transmission.

Improve and increase your company productivity by connecting your multiple branches or locations to head offices or to other branches on our dependable and robust IP/MPLS platform thereby making it easy for these branches to communicate with each other and head office.

We also provide VSAT solutions that delivers a reliable and secure VPN connection between branches all over Nigeria and their head office.

This solution can also be used to deliver internet access in remote locations and cellular backhaul.

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## Metro VPN

Within cities across Nigeria, we have built a Metro-Ethernet Network using a combination of wireless radio and fiber from our multiple POP locations over the past few years.

This enables us to provide reliable IP/MPLS connectivity between offices within a city or a geographic region.



## International VPN

A managed network solution delivered through our International Multi-Protocol Label Switching (MPLS) platform providing worldwide network coverage allowing businesses to remotely collaborate with their branches or partners anywhere in the world with confidence that customer data is always secure.

We provide businesses the opportunity to operate a secure point-to-point connectivity for mission-critical applications across global offices (regardless of geographical borders), on one single VLAN with coverage across 5 continents.

Traffic for voice, video and critical applications can be prioritized. This service ensures greater network speeds through reduced latencies, efficient data transmission and traffic prioritization.

8



*At eStream Networks, we pride ourselves as avid supporters of SME businesses understanding the importance of connectivity and cloud services to growing businesses.*



# Cloud Solution

Cloud computing is the sharing and delivery of computing services including servers, storage, database, networking, software analytics and intelligence over the internet without direct active management.

Clients typically pay only for computing services they use which helps lower their operating cost and scale as their business needs change without owning any physical infrastructure.

## SME Smart

SMESmart is our solution offering aimed at making it easy for SMEs to enter the technology world. SMEs that sign up will in addition to internet access get a bundle of value added services that enables them do their business better.

SME package include:

- ☁ Free cloud storage
- ✉ Business email accounts
- 🌐 Domain name
- 🌐 Business website (Home page alone)

Optional Services includes:

- 🌐 Full web design and development
- ✉

Our eSmart is deployed with either our 4GLTE or Ka-Band satellite

## Hosting Services

As business-critical applications and contents move to the Cloud, Enterprise needs increased performance, predictability and security.

Estream provides Private Access to Public Cloud with Access to Microsoft Azure, Amazon AWS, Google Cloud and other available IaaS Providers

This service offers a significant reduction in both capital and operational costs for our clients. Various plans per services are available.

- ☐ Software as a service (SaaS)
- ☐ Infrastructure as a service (IaaS)
- ☐ Storage as a service
- ☐ Web/Email Hosting

## Colocation

e.Stream networks rent out physical space in our Data center for servers, hardware and other equipment. Colocation cost include power, storage, climate control bandwidth and security.

When businesses colocate, they are outsourcing storage and maintenance of physical hardware and servers while retaining ownership of the equipment.

Gain administrative control of your operations via our solutions:

- ☐ Colocation as a service



# Professional Services

Our professional services are geared towards supporting clients in utilizing their ICT infrastructure beyond the limits of connectivity. As part of our partnership philosophy, we ensure that our clients get more value for their ICT investment.

## Penetration Testing (Pentest)

PenTest is a proactive and authorized method of evaluating the security of an IT infrastructure by safely attempting to exploit system vulnerabilities, including OS, service and application error, inappropriate configurations, and precarious end-user actions.

It's done by simulating an attack from malicious outsiders (unauthorized users) and malicious insiders (users who have certain level of authorized access).

The process is also useful in validating the effectiveness of defensive mechanisms, as well as end-users adherence to security policies.



With our skilled network engineers, e.Stream provides cost effective systems integration solutions that add value to your ICT infrastructure. Such as:

- ☐ Wide Area Network (SD-WAN)
- ☐ IP Telephony & Video conference
- ☐ Design & Implementation of complex IP Network solutions.
- ☐ Configuring IP Security System such as Cyber-roam and IP Sec.
- ☐ Last mile & Backhaul(Microwave) installations
- ☐ Structured cabling optimization.
- ☐ Design & implemenatation of VSAT Networks.

Why not boost your business productivity, functionality using cost saving methods.

We provide numerous satisfactory ways to explore your ICT infrastructure

## Security Gateway (eGate)

The e.Gate Solution provides a NGFW platform that allows Internet clients to provision a Firewall/UTME device within their network.

eGate provides identity-based network security, deep packet inspection, traffic monitoring, granular control into individual user's activities that are eating up bandwidth and web/application blocking to effectively manage subscribed bandwidth.

This solution also works across different platforms i.e it can be used by subscribers of any ISP.

Other features include:

- ☐ Captive Portal
- ☐ IPS/ IDS Scanning
- ☐ Application Control
- ☐ SSL-VPN
- ☐ Web filtering
- ☐ Malware blocking
- ☐ Per user bandwidth/Volume allocation

This solution can be deployed either on premise or in cloud as a service.

# Internet of Things(IoT)

The Internet of Things (IoT) is a system of interrelated computing devices, mechanical and digital machines or objects that are provided with unique identifiers (UIDs) and the ability to transfer data over a network without requiring human

## M2M

Machine-to-machine, often referred to as M2M, is part of the Internet of Things (IoT) applications and refers to the exchange of data and information between industrial machines (like sensors, and controllers) that are connected to the internet without human interfacing or interaction.

These interactions happen through any communication channel, including wired and wireless.

M2M operates in a step-by-step process. The main three elements in this process are: sensors (usually they can send telemetry wirelessly), a wireless network, and a computer connected to the Internet.

More recent application of M2M is using it as a system of networks and also transmits data to personal appliances.

Examples where M2M is been used are as follows:

- ▣ ATM connectivity
- ▣ POS/Vending machine
- ▣ Consumer automotive
- ▣ Alarm and security
- ▣ Fleet/Trucking
- ▣ Utility and grid
- ▣ Remote data gathering and control.



## Live Monitoring Security

We are about developing our **LIVE MONITORING SECURITY SYSTEM** which can be monitored on your phone or computer. Stay Tuned, and see how eStream can improve the security at your home and business by Q1-2020.

## eStream entertainment

Entertainment just got easier with our **IP-cinema solution**. This solution will come live by Q1-2020.



13

# Awards & Recognition

- 🏆 Reliable Connectivity Solutions to Corporates of the year by ICT success summit 2016
- 🏆 Internet Service provider of the year SME by NTITA 2018
- 🏆 Special recognition for connecting the unconnected by NTITA 2018
- 🏆 ICT Entrepreneur of the year by BoICT 2019
- 🏆 Broadband company of the year by Titans of technology 2019
- 🏆 Nigeria best Digital Connectivity Company by eWorld Forum 2019
- 🏆 Internet Service provider of the year SME by NTITA 2019



*We invest in our employees with trainings and opportunities for growth. This investment sends a clear message to our employees that the organization values them and we are committed to their career growth and longevity with our organization.*



Engr. Muyiwa Ogungboye  
MD/CEO

14

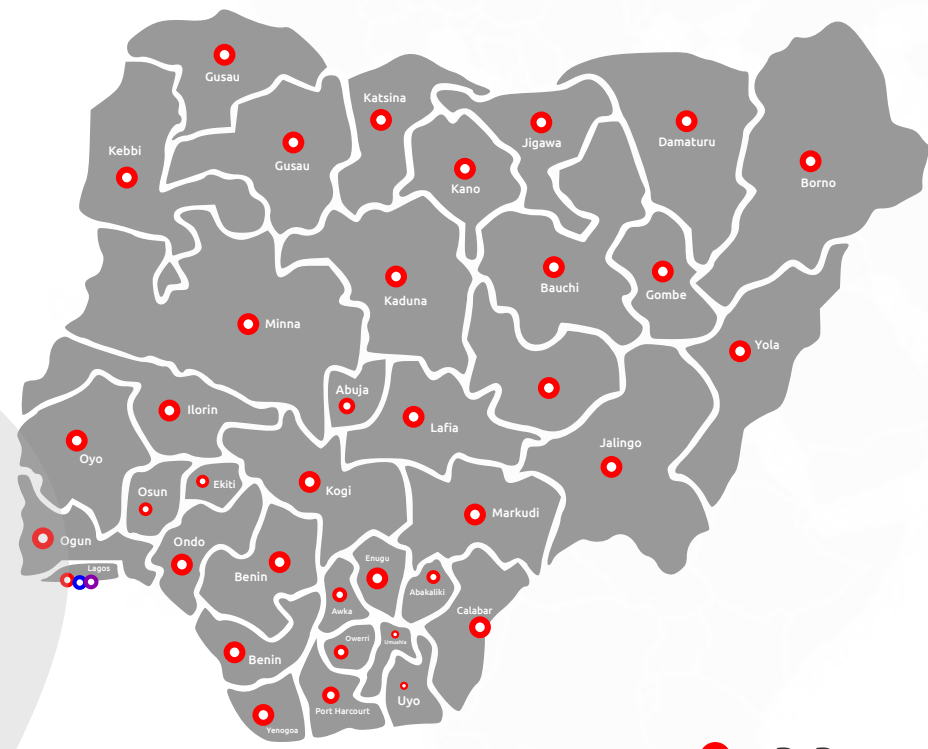




*Our infrastructure guarantees a secure network management and 24/7 availability that provides a standardized platform to support services for all retail and enterprise applications.*



# Our Local Presence



*Our Point of Presence(PoP) spans over 50 locations across Nigeria. 32 outside Lagos and more than 18 in Lagos with each PoP further interconnected on our MPLS platform.*

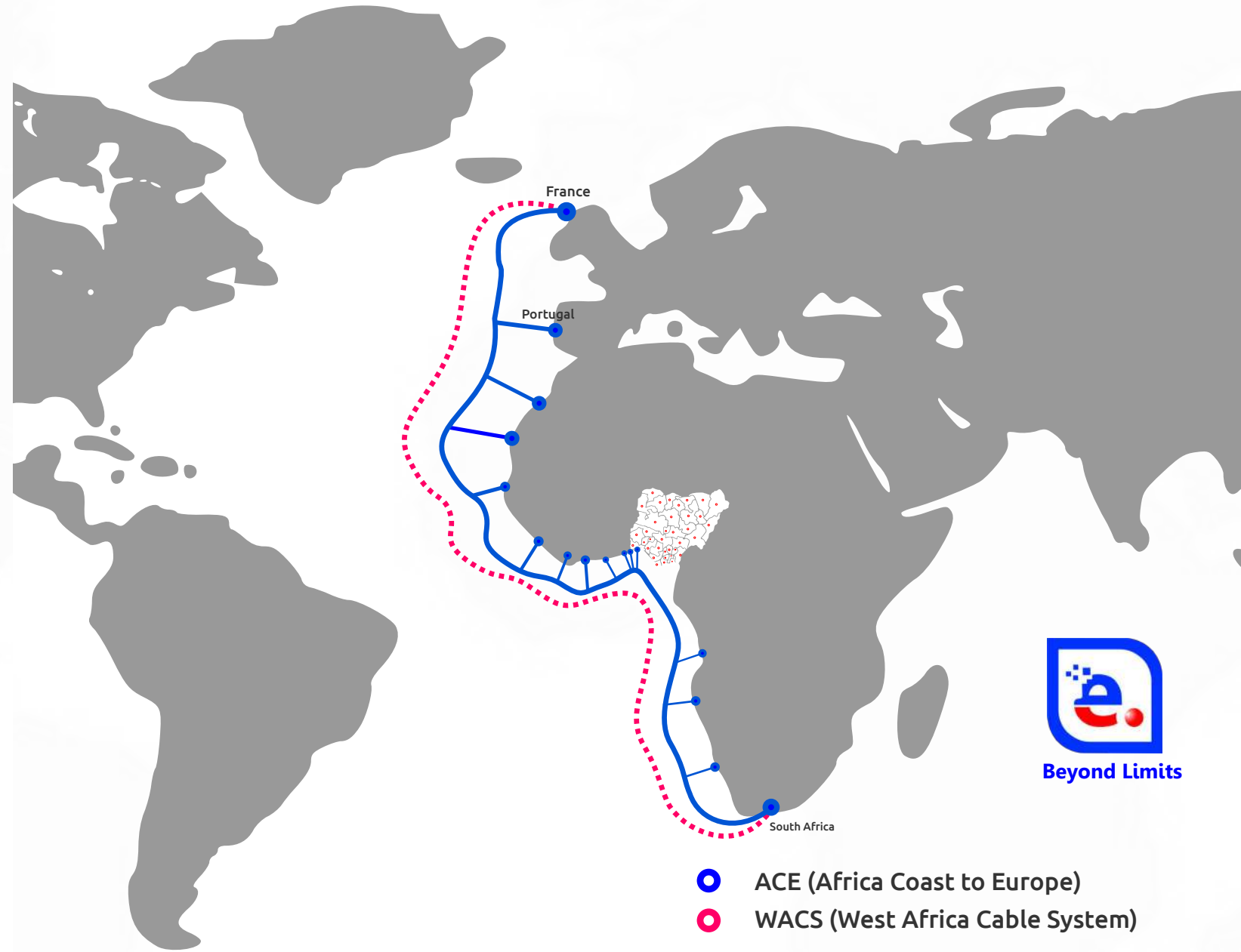
- PoP
- VSAT Hub
- 4GLTE Presence

Service reliability

Service assurance

Reduced Complexity

24/7 Customer Support



- ACE (Africa Coast to Europe)
- WACS (West Africa Cable System)

Cost Effective

Super High Speed internet

Rapid Deployment

Low Latency





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**Beyond Limits**