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OPEN ACCESS NETWORK

Lagos, Nigeria — Building Africa's First Open Access Fibre Infrastructure

STRICTLY BY INVITATION ONLY

FOR INVITED OPERATORS ONLY

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1. About Damexplore Open Access

Damexplore Open Access is Lagos's first dedicated open access fibre internet network — a neutral, wholesale infrastructure platform open to all eligible connectivity operators across every category. Every invited operator receives dedicated, unlimited bandwidth — and every one of their end clients receives dedicated, unlimited internet access. No sharing. No contention. No caps.

Access is strictly by invitation. We identify and invite the operators we want on our network. You cannot apply. If you hold the appropriate NCC licence or authorisation for your category and we believe you are the right fit, we will invite you.

Our Three Core Principles

- **Openness:** Any invited operator with the appropriate NCC authorisation can access our network under fair, equal, and transparent wholesale terms.
- **Neutrality:** No operator receives preferential routing, bandwidth priority, or exclusivity over any service area. The network belongs to the entire ecosystem.
- **Scalability:** Our infrastructure is designed to grow with demand — from a single estate to city-wide coverage across all Lagos LGAs and beyond.

2. What is Open Access Internet?

Open access is a network model in which the infrastructure controller (Damexplore) makes its fibre network available to multiple licensed operators simultaneously. Rather than one provider owning both the cables and the service, the infrastructure is wholesale and shared among invited partners — each competing to serve end users under their own brand.

This model has transformed internet access in markets across South Africa, Sweden, the United Kingdom, and the United States. Lagos is now poised to benefit from the same model.

How Open Access Addresses Lagos's Connectivity Challenges

- **High cost of last-mile deployment:** Partners share infrastructure costs rather than each building their own parallel network.
- **Limited competition:** Multiple operators can serve the same street or building, driving down consumer prices and improving quality.
- **Unreliable connectivity:** A managed fibre backbone delivers consistent, low-latency gigabit-capable speeds.
- **Underserved communities:** A shared model makes it viable to extend fibre to areas a single operator could not justify serving alone.

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- **Right-of-way complexity:** One operator managing wayleave agreements reduces duplication and simplifies compliance for all partners.

3. Invitation-Only Operator Categories

Damexplore Open Access is open to all eligible operator categories — provided they hold the appropriate NCC licence or authorisation and receive a formal invitation from Damexplore.

Operator Category	NCC Requirement	Service Delivered
Licensed ISPs	<i>NCC ISP Licence</i>	Dedicated unlimited fibre broadband to residential and business clients
Hotspot Operators	<i>NCC VAS Licence</i>	Dedicated unlimited public Wi-Fi across markets, transport hubs and venues
Resellers	<i>NCC Reseller Authorisation</i>	Dedicated unlimited bandwidth resold under their own brand
Estate & Building Operators	<i>NCC ISP Licence</i>	Dedicated unlimited fibre for every unit in MDUs, estates and complexes
Public Access Providers	<i>NCC ISP or VAS Licence</i>	Dedicated unlimited internet for schools, hospitals and government facilities
Corporate Network Operators	<i>NCC ISP Licence</i>	Dedicated unlimited leased lines and SLA-backed fibre for enterprise clients

All Categories Welcome — **Strictly By Invitation Only** — Must Hold Appropriate NCC Licence or Authorisation.

You cannot apply. If you are the right fit, we will invite you.

4. Dedicated & Unlimited Internet

Unlike conventional shared broadband infrastructure, the Damexplore Open Access Network is built on a dedicated, unlimited model at every layer of the network.

- **Dedicated bandwidth per operator:** Every invited operator is allocated their own dedicated bandwidth capacity — fully isolated from other operators.
- **Dedicated internet per client:** Every end client receives their own dedicated internet connection — not shared with other subscribers.

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- **Unlimited data:** No data caps, no fair usage policies, no throttling. Truly unlimited internet access for all.
- **No contention:** Zero contention ratios across all service tiers. The bandwidth you purchase is what you and your clients get — always.
- **Consistent performance:** Dedicated, uncontended fibre delivers consistent speeds at all times — no peak-hour slowdowns.

5. Why Partner With Damexplore Open Access?

Partnering with Damexplore Open Access gives invited operators everything needed to deliver competitive, dedicated fibre services without the capital burden of building their own network.

Benefit	Detail
Dedicated & Unlimited Bandwidth	Every invited operator receives dedicated, unlimited bandwidth — no sharing, no contention, no throttling
Dedicated Per-Client Internet	Every end client receives their own dedicated, unlimited internet connection — not shared
No Contention. No Caps.	Zero data caps, zero throttling, zero contention ratios — for operators and clients alike
No Infrastructure Investment	Access a ready-built fibre network — no civil works, no duct permits, no capital expenditure
Exclusive Wholesale Pricing	Invitation-only partners receive competitive dedicated rates unavailable to the open market
Fast Time to Market	Activate subscribers within days of accepting your invitation and completing onboarding
API-Driven Provisioning	Integrate your CRM and billing directly with our NMS for seamless service management
Isolated Operator Environments	Each operator's dedicated bandwidth and routing is logically separate — secure and independent
24/7 NOC Support	Dedicated partner success team and network operations centre available around the clock
NCC Compliant	Built in full alignment with Nigerian licensing and infrastructure regulations



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6. Network Architecture

The Damexplore Open Access Network is built on a carrier-grade Passive Optical Network (PON) architecture, structured in seven layers from the customer premises to the internet:

- **ONU (Optical Network Unit):** Installed at the customer premises. Converts optical signals to ethernet. Managed per-operator with a unique identifier for dedicated service control.
- **Passive Optical Network (PON):** The fibre infrastructure between ONUs and the OLT. Optical splitters serve multiple premises with no active electronics in the distribution layer.
- **OLT (Optical Line Terminal):** Located at the head-end. Aggregates all PON fibres, manages bandwidth allocation, and authenticates ONUs.
- **Aggregation / Distribution Switch:** Enforces per-operator VLAN segmentation, ensuring dedicated traffic isolation between all operators at Layer 2.
- **Core Router (per operator):** Each operator gets a dedicated core router as their central control point — routing, NAT, DHCP, and subscriber policy in a fully isolated environment.
- **Edge Router:** Aggregates traffic from all operator core routers, handles BGP peering with upstream providers, and enforces network-wide security policies.
- **Data Centre / Internet Uplink:** Redundant upstream transit and peering providing high-availability internet egress. Hosts centralised NMS, DNS, and partner integration infrastructure.

7. Lagos and the Nigerian Market

Lagos is Africa's largest city and one of its fastest-growing internet markets. With over 20 million residents, a rapidly expanding middle class, a thriving tech and startup ecosystem, and increasing demand for remote work and digital services, the need for reliable, affordable, high-speed internet has never been greater.

Yet fibre penetration in Lagos remains significantly below its potential. Damexplore Open Access is purpose-built to solve this — removing the single biggest barrier to fibre expansion: the cost and complexity of building it alone.

8. Expansion Vision

Our vision does not stop at Lagos. We are actively planning to expand our open access network across Nigeria, the African continent, and ultimately to a global scale — bringing neutral, partner-driven, dedicated and unlimited fibre infrastructure to markets that need it most.



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Phase	Scope	Status	Key Milestones
Phase 1	Lagos, Nigeria	Launching Now	All LGAs, multi-ISP open access backbone, partner API and NMS integration live
Phase 2	Every Nigerian State	In Planning	All 36 states + FCT Abuja, state-level PoPs, invitation-only ISP partner onboarding
Phase 3	Africa & The World	The Vision	Pan-African expansion across 54 countries, global neutral wholesale fibre infrastructure

9. Invitation & Onboarding Process

Damexplore Open Access does not accept open applications. We identify, vet, and directly invite operators we believe are the right fit. If you receive an invitation, the onboarding process is as follows:

- **Step 1 — Invitation:** Damexplore identifies and issues a formal invitation to the operator.
- **Step 2 — Licence Verification:** The operator provides evidence of their appropriate NCC licence or authorisation.
- **Step 3 — Onboarding:** The operator is onboarded onto the partner management platform and assigned their dedicated bandwidth allocation and core router.
- **Step 4 — API Integration:** The operator integrates their CRM and billing systems with our NMS via our partner API.
- **Step 5 — Service Activation:** First subscribers are activated. From invitation acceptance to first live subscriber typically takes a matter of days.

Join Lagos's First Open Access Fibre Network

Dedicated. Unlimited. Neutral. Partner-Driven.

If you are the right fit — we will invite you.

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