

Kinshasa - Pigeon Data Center

Connecting Congo to the Global Digital Economy



Kinshasa - Pigeon

Designed for Scale and Performance

Strategic Location: Pigeon, Kinshasa

Located in **Kinshasa**, the heart of the Democratic Republic of Congo and a gateway to Central Africa, Pigeon's data center sits at a critical intersection of regional and international connectivity. Strong **power availability**, growing fiber routes, and proximity to major population and business centers make Kinshasa an ideal hub for digital infrastructure—positioning the DRC as a key player in Africa's connected future.

Purpose-Built for DRC

DRC1 is a **next-generation, carrier-neutral data center** built to power cloud, connectivity, and innovation across the continent. With over **5 MW of initial IT power**, **High Availability**, **21 kN floor loading**, and **future-ready design**, DRC1 offers secure, scalable, and sustainable infrastructure. Purpose-built for enterprises, hyperscalers and network operators, it delivers the foundation needed to connect the DRC to Africa and the global digital economy.

Purpose build facility

- Modular & Composable
- Floor loading: 21KN

Reliability

- Power – Multiple 33 KV
- Cooling - Designed for high density
- Geo Redundant Risers - Electrical & telecom distribution

Security

- Multiple level of security check – Physical & Electronics
- Bollards, Boom barriers, DFDMs, Baggage scanners, Tripods, Smart cards & Two factor authentications
- Patrolling – QR based



Scalability

- 5.28 MW of IT power
- G+3 Floors
- Power Density – 30+ KW/Rack

Connectivity

- Domestic & Global Access – High-capacity backbone
- Cross connect, Campus connect & Cloud port
- Bandwidth on Demand



Location

- **Kinshasha, DRC**
- Well connected with dense global and domestic network
- Powered on 33 KV feed



Civil- Nuances

- **Building Structure: G+3**
- Rack Capacity: 700
- DC Building Area (sqM): 92,00
- **Floor Loading: 21KN**



Data Connectivity–

Dense and neutral

- **Fiber Entry: 2+**
- Carrier neutral
- Global Gateway: Yes
- MMR: 2 per floor
- Interconnect: Copper/fiber



Power –

HD and flexible

- **Total Power: 9 MW**
- IT Power: 5.28 MW
- **Power per Rack: up to 30 kW**
- Design PuE: <1.5
- UPS Backup: 7 minutes on full load
- Power Distribution: Redundant till rack



Cooling – Optimum and Efficient

- Chillers: Air-Cooled
- FWU/PAHU: Water-based
- **Aisle Containment: Hot**
- Average Cooling per Rack (kW/rack): upto 30 KW
- Temp/Humidity:ASHRAE Compliant
- Thermal Storage: 5 minutes on full load



Security- Failproof

- **Layers: 6 layers of comprehensive security**
- CCTV: Intelligent system integrated with BMS
- Trained Manpower: 24X7 access using secure OTP/QR-based system
- Entry/Exit: Distinguished for man and material movements



Environment – Pertinent and green

- **Temp** – ASHRAE Compliant
- Humidity – 50+-10% RH
- Dust level - <0.5 micron
- Fire detection – VESDA, FAS
- Suppression System: Pre Action
- Power: Hydroelectric Clean power



Amenities – 24*7 operations

- **Customer Office Space: Yes**
- Store Area: Yes
- Break Area: Yes
- Pantry/Cafeteria: Yes



Redundancy – Optimal

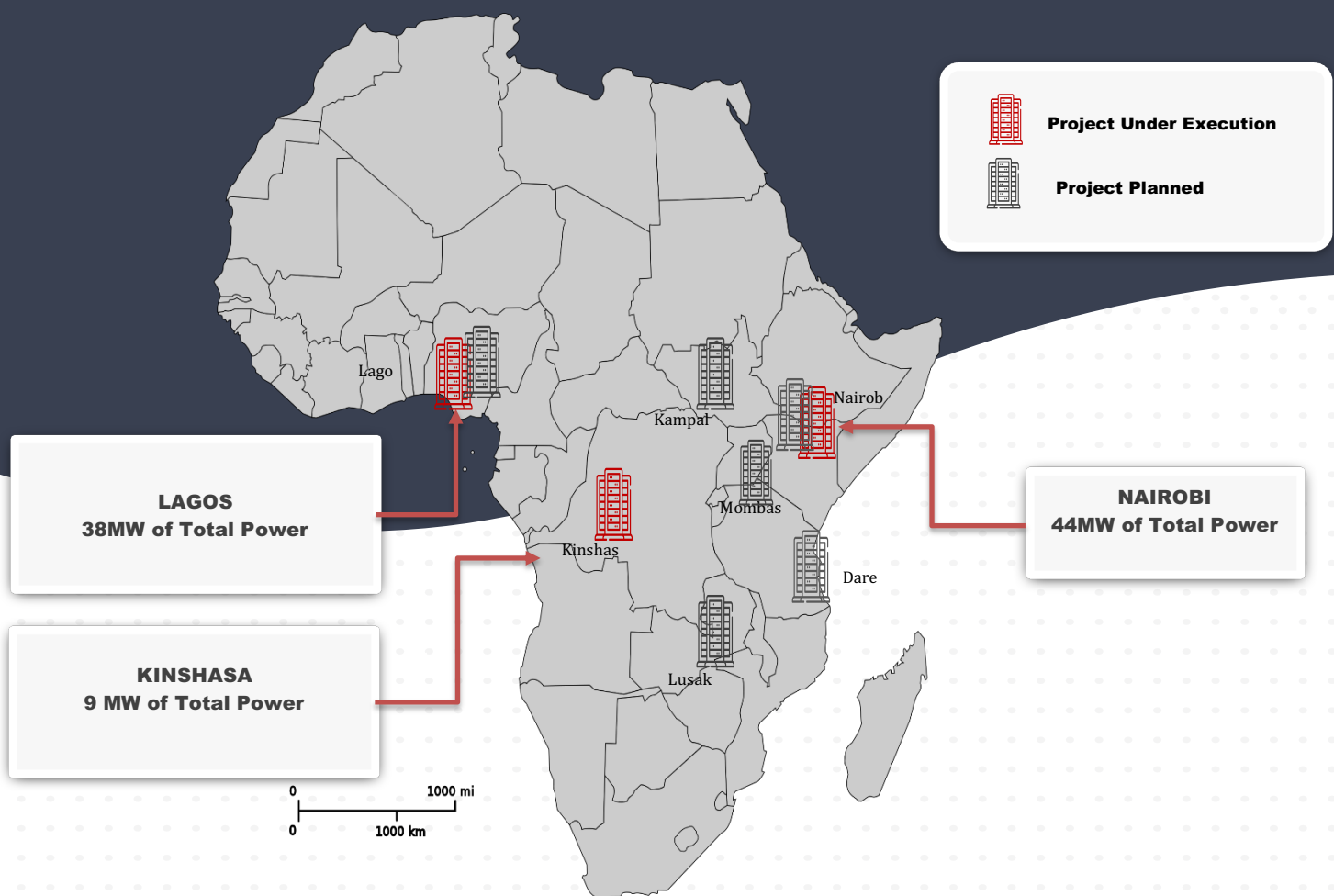
- **Uptime – 99.99%**
- Power Feed – Multiple
- Distribution Tx – N+2
- DG Set – N+2
- UPS – N+N
- Chillers – N+2
- PAHU – N+2
- Chilled water pipe – N+N



Automation– Integral

- **BMS: Integrated and Intelligent**
- Remote View: Secure, customized BMS
- EPMS: Integrated with BMS
- CCTV: Intelligent, Remote view
- Sensors: Temp & Humidity
- Escalation/Alerts: SMS & e-Mail
- Dashboard: Single pane of glass

- ✓ **Rack Space:** Custom-built suites and floors, rack: **52U** height
- ✓ **Power:** HD-powered designs to accommodate **GPU centric** workload
- ✓ **Cooling:** Air based with hot aisle containment, ready for **Liquid cooling**
- ✓ **Reliability:** **99.99%** availability backed by industry-leading SLAs
- ✓ **Interconnect:** Metro **cloud** and global
- ✓ **Real-Time Monitoring:** **Customized** metrics dashboard



We're eager to take your infrastructure to the next level of efficiency and effectiveness.

We're available round-the-clock at: ✉ business@nxtrafrica.com

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