

Lagos – Eko Atlantic Data Center

Designed for Scale, Built for the Future



Lagos - Eko Atlantic

Economic and Tech Hub of Africa – Powered by Nxtra

Strategic Location: Eko Atlantic, Lagos

Located within Eko Atlantic, Nigeria's landmark smart city development, this data center benefits from a uniquely strategic address engineered for global connectivity and long-term resilience. Positioned on Lagos's Atlantic coastline with modern utilities, robust power infrastructure, and dense fiber access, Eko Atlantic sits at the crossroads of Nigeria's economic engine, West Africa's digital trade routes, and pan-African connectivity, making it one of the continent's most compelling locations for mission-critical digital infrastructure.

Purpose-Built for Africa's Digital Future

Nxtra Africa's Lagos Data Center is purpose-built to anchor the next phase of cloud and digital transformation across the region. Designed to deliver up to 22 MW of IT power, the facility features AI-ready infrastructure engineered for scale, resilience, and sustainability. With low-latency connectivity, enterprise-grade reliability, and seamless access to a thriving technology ecosystem, provides a future-proof platform for Hyperscalers, Enterprises, and digital-first businesses driving Africa's data-led growth.

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

- 22 MW of IT power
- G+5 Floors
- Power Density – Up to 30 KW/Rack

Connectivity

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





Location

- **Eko Atlantic, Lagos**
- Well connected with Cable landing station and dense global network
- Powered on 33 KV multiple feed



Data Connectivity–

Dense and neutral

- **Fiber Entry: 4**
- Carrier neutral
- Global Gateway: Yes
- MMR: 2 per floor
- Interconnect: Copper/fiber



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



Civil- Nuances

- **Building Structure: G+5**
- Rack Capacity: 3,000
- DC Building Area (sqm): 30000
- **Floor Loading: 21KN**



Power –

HD and flexible

- **Total Power: 38 MW**
- IT Power: 22 MW
- **Power per Rack: up to 30 kW**
- Design PuE: <1.4
- Onsite Fuel Storage: 72 hours
- UPS Backup: 7 minutes on Full load
- Power Distribution: Redundant till rack



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 – ASHRAE compliant
- Dust level - <0.5 micron
- Fire detection – VESDA & FAS
- Fire Suppression – Pre action



Redundancy – Optimal

- Uptime – 99.999%
- Power Feed: Multiple
- Distribution Tx – N+2
- DG Set – N+2
- UPS – N+N
- Chillers – N+2
- PAHU – N+2
- Chilled water pipe –
Concurrently Maintainable



Amenities – 24*7 operations

- Customer Office Space: Yes
- Store Area: Yes
- Break Area: Yes
- Pantry/Cafeteria: Yes
- Bunker Beds: As per
requirement



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 & Mail
- Dashboard: Single pane of
glass

nextra

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- ✓ **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:** **99.999%** availability backed by industry-leading SLAs
- ✓ **Interconnect:** Metro, **cloud** and global
- ✓ **Real-Time Monitoring:** **Customized** metrics dashboard

