



IXAFRICA DATA CENTRE

The Unparalleled Data Centre Operator

ABOUT US

IXAfrica Data Centre in Nairobi, is the largest Carrier neutral Hyperscale data centre in East and Central Africa and the latest digital habitat for Hypercloud, content providers, colocation and connectivity.

Our Team

IXAfrica's founding team has a strong background and proven expertise in building and managing data centres worldwide. This experience underpins the world-class levels of design, engineering and operational excellence that characterises the NB01 data centre campus.

IXAFRICA DATA CENTRE

Services - DC infrastructure -Power, Cooling, Colocation space, Cross-Connects, Physical Security, Remote hands and eyes, Bespoke data halls, Office space, Meeting rooms, Conference rooms with WiFi and Welfare zones.

Reliability - Rated Tier III+ compliant campus.

Data Centre 1

Size: 4314m²
White Space: 1653m²
Data Halls: 3
Racks: ~780
Power: 4.5MW IT
Storage Space: 120 m²
Office Space: 900m²

Data Centre 2

Size: 6098m²
White Space: 6380m²
Data Halls: 6
Racks: ~3500
Power: 18MW IT

Teleport Space

Size - 4000m²

Contact Us

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Web: <https://ixafrika.co.ke/>



East Africa's Largest Hyper-Cloud Campus

NB01 Specs

LOCATION - Strategically located amid Africa's growing tech epicentre in Nairobi, Kenya on the main MBA-NBO Highway.

- 5km away from JKIA Airport
- 8km from the main Nairobi SGR Railway Station
- 14km from the Central Business District
- 1.2km and 3km from the two utility substations supplying the Data Centre

POWER - IT Power of 22.5 MW

- SLA 99.999%
- Target PUE 1.25 across campus
- Two diverse 11kV utility feeds, Dedicated 66kV substation planned
- N+1 Redundant switchgear with four independent power trains
- N+1 Generators
- UPS Distributed redundancy 4 to make 3 with a 2N supply to the rack
- 24 x 2.5MVA diesel generators
- Monitored double wall fuel tanks.

CONNECTIVITY - 20+ Carrier Networks

- 4 Secure diverse fibre entry points 2 along the south side - Mombasa Road 2 from the North side road- Imara Daima
- 6(4+2) independent interconnected MMRs
- Diverse cable routes and trays
- Global internet exchange for local and international peering - LINX
- Teleport Zone for dedicated GPS/dishes

FIRE DETECTION & SUPPRESSION

- Aspirating Smoke Detection system for early warning smoke detection - VESDA, installed in the Data Halls and MMR's.
- Fully addressable smoke and heat detectors with redundant loops and panels
- High pressure water mist system with double interlock pre-action system in Data Halls
- Fire rated doors

CERTIFICATIONS

- ISO 27001
- ISO 45001 & ISO 14001
- ISO 9001
- PCI DSS
- Uptime Tier 3 certification

SUSTAINABILITY

- **Renewable Energy** - Kenya's energy is 85-90% renewable - Geothermal, Hydro and Wind power Solar Energy - 1MW planned
- **Water Supply** - Two diverse water supplies - the utility company and an in-house Bore hole with bulk water storage, water treatment plant and waste-water management.
- **Keep it Africa** - Sustainable supply chain. To reduce our embodied carbon, our supply chain prioritizes using local products wherever possible. This sustains the local workforce, reduces stockpiling and use of local materials.
- **Fire Suppression** - Sustainable and environmentally friendly water mist
- **Social Responsibility** - Impact studies done for noise, light, gas emissions, water and traffic - all compliant Rigorous EHS process and practice

IXAFRICA DATA CENTRE LIMITED

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NOTES:

THE UNIVERSITY OF SOUTH ALABAMA

