

Nairobi 1



Site Features

Total Campus Area	1 acre – 4,400m ²
Technical Space	Data Center Floor: 950m ² Networking Rooms: 200m ² Energy Centers: 650m ²
Building	Steel frame with concrete slabs and mezzanine office space
Floor loading	1,500kg/m ²
Building Height	5.5m slab-to-ceiling
Access to Building	24x7x365
Additional Space	Rentable Office Space Delivery, Storage Staging area, Meeting Rooms, DR and Office Space, Pro etc,



Location

Conveniently located	Catholic University Campus Near IBM Research, Langata Road
Airports	Regional - Wilson Airport (8.4km) International - Jomo Kenyatta (23.7km)
Public Transport Nearby	Langata South Road

Cooling and Environment

Temperature Set Point	24°C
Redundancy	N+1 CRACs with redundant power supply and built-in ATS
In Rack Cooling Capability	Available if required
Humidity Set Point	28% - 60%
Standardisation	ASHRAE 2011. Class A1-A4

Connectivity

Carrier Neutral	Over 12 different carriers to choose from
Fibre Entry	Two diverse routes
Diversity	Multiple fibre entries from multiple carriers ensure completely redundant connections
Local and International Connections	Multiple local access carriers provide reliable and affordable connections to/from Nairobi One
Satellite and Antennae Connection	Antennae equipment, and VSAT field possible
Peering	Local peering available

Control

BMS	Proprietary system with proactive warning systems and automatic environmental and power controls
Cable Management	Full cable inventory and sophisticated cable management



Data Center Features

Utility Feed	1 MVA fully rated 11,000 Volts
Distribution to Rack	2 separate supplies (A & B feed) with single phase and/or 3 phase from 16amps to 64amps
Generators	2 x 800 kVA
Redundancy	N+1 Generators; 2N UPS; N+ 1 for CRACs, 2N meet-me rooms
UPS	2 x 250kW
Lighting	High frequency, low energy, CAT II luminaries
SLA	99.982% guaranteed to customer PDU conditional on customer taking dual feeds
Raised floor height	800mm
Floor Tiles	600mm x 600mm
Customer Support	Remote hands, Cross-Connects, reception and storage of equipment

Fire Detection and Suppression

Detection	Analogue addressable fire detection system in all areas
VESDA Fire Alarm	Early Warning System
Suppression	INERGEN Inert Gas

Ancillary Services

- Design and build services
- Fit out and enhanced services
- Installation and cabling
- Meeting rooms
- Reception and On-site Secure Storage duplicated
- Remote Hands
- Technical Cleaning
- Reporting

Security

Access to Site	24x7x365 on site security team, proximity badge and biometric protection
Security on Site	Five physical security zones and dual security control provide defence in depth
Security Monitoring	CCTV cameras, monitored 24/7 from NOC
CCTV	Records kept for minimum of 31 days
Alarms	Intruder alarms for all areas
Delivery and Loading	Secure managed delivery and loading area available 24x7x365
Staging	Secure staging, available if required

Building Management Systems

Facilities Management	Experienced 24x7 facilities management team
Environmental Conditions	Continuously monitored in all technical areas
Engineering systems	All systems monitored 24x7
Energy Metering System	Comprehensive energy metering system recording regular time series consumption data throughout the electrical infrastructure