

SITE FEATURES

TOTAL CAMPUS AREA	4,048sqm = 1 Acre
TECHNICAL SPACE	Data Center Floor: 624sqm Networking Rooms: 80sqm Energy Centers: 190sqm
BUILDING	Concrete Structure with Mezzanine Office Space
FLOOR LOADING	1,500kg/sqm
BUILDING HEIGHT	5.5m slab-to-ceiling
ACCESS TO BUILDING	24x7x365
ADDITIONAL SPACE	Rentable Office Space - 150sqm Delivery, Storage, Staging Area, Meeting Rooms and Disaster Recovery

LOCATION

CONVENIENTLY LOCATED	Catholic University Campus Near IBM Research Centre, Langata South Rd.
AIRPORTS/RAIL STATIONS	International - Jomo Kenyatta (23.7km) Regional - Wilson Airport (8.4km) Nairobi South Railway Station (10km)
PUBLIC TRANSPORT NEARBY	Langata South Road

COOLING AND ENVIRONMENT

TEMPERATURE SET POINT	24°C ± 4°C
REDUNDANCY	N+1 CRACs with redundant power supply and built-in ATS
IN RACK COOLING CAPABILITY	Available if required
HUMIDITY SET POINT	42.5% +/- 17.5%
STANDARDISATION	ASHRAE

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

ANCILLARY SERVICES

- Design and build services
- Reception and on-site secure storage duplicated
- Fit out and enhanced services
- Remote Hands
- Infrastructure as a service
- Technical cleaning
- Installation and cabling
- Reporting
- Meeting rooms

DATA CENTER FEATURES

UTILITY FEED	2.5MVA fully rated 11,000 Volts with 2 diverse feeds and 1 dedicated line
DISTRIBUTION TO RACK	2 separate power lines (A & B feed) with single phase and/or 3 phase from 16amps to 64amps
GENERATORS	4 x 800 kVA/645kW DCC
REDUNDANCY	N+1 Generators; 2N UPS; N+1 for CRACs, 2N Networking rooms
UPS	2 x 500kW Galaxy VX = 1,000kW N+1
LIGHTING	High frequency, low energy, CAT II luminaries
SLA	99.999% guaranteed to customer PDU conditional on customer taking dual feeds
RAISED FLOOR HEIGHT	800mm
FLOOR TILES	600mm x 600mm
FLOOR VOID	1,000mm
CUSTOMER SUPPORT	Remote hands, Cross-Connects, reception and storage of equipment

SECURITY

ACCESS TO SITE	24 x 7 x 365 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	24 on-site 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

FIRE DETECTION AND SUPPRESSION

DETECTION	Analogue addressable fire detection system in all areas
VESDA FIRE ALARM	Early Warning System
SUPPRESSION	FM200 Inert Gas

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

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Carrier Neutral Data Centers



Nairobi One Data Center

Karen, Nairobi

NBO1

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