

Africa

DataCentres

Why Africa Data Centres?

Johannesburg Data Centre, JHB1

The **heartbeat** of your business

We are Africa's largest network of interconnected, carrier and cloud neutral data centre facilities.

Choosing where to put your business critical data is one of the most important decisions your company will make. Bringing global skills to the local market, we are your trusted partner for rapid and secure data centre services and interconnection across the African continent.

Africa Data Centres are designed, built and operated to the highest standards demanded by today's leading cloud providers, carriers and enterprises providing your business with peace-of-mind, regardless of the scale of requirement.

Our facilities are purpose-built and entirely owned and operated by us. This means the physical and digital security of your data and transactional computer processing remain front-of-mind from the physical layer up.

The [IT] place to be

- Pan-African
- International expertise
- Uncompromised Security
- Operational excellence
- Carrier Neutral
- Cloud Neutral
- Interconnected



8 Data halls with 9000 m² (square meters) of white space



Dual Incomer Feeders



Connectivity to major hubs and Dark Fibre Infrastructure



15 kW (kilowatt) Per Rack cooling density



Connected to a 24/7 Security Operations Center and Service Control Center



HSSD (High Sensitivity Smoke Detection) - VESDA (Very Early Smoke Detection Apparatus) Automated smoke detection and suppression systems



Colocation: Private Cage, Secure Racks, Power Metering, Cross Connects, Remote Hands



HVAC (Heating, Ventilation and Air Conditioning), Power and Building critical systems managed and monitored 24/7



ISO27001, ISO9001, OHSAS 18001, PCI DSS



Facility

- 8 Data halls with 9000 m² of white space
- Site capacity 18 MVA (Mega Volt Amp)
- Concurrently maintainable data centre designs with elements for fault tolerance built to asset levels
- **Flexible colocation deployments:** Single Rack, Cages, Suites, turnkey built to suites, Shell and Core Solutions
- Ancillary spaces (offices, storage and pre installation rooms available)
- Common areas such as meeting rooms and catering area



Power

- Onsite substation delivering 18 MVA of power
- Maximum Client IT load of 12 MW (Megawatt) once fully built out
- Dual Incomer Feeders
- Average power density 15 kW
- Static UPS distribution
- UPS autonomy 2N electrical topology at rack level - 10 minutes end of life full load
- Generator backup fuelled to a minimum of 48 hours backed up supported by service delivery agreements with diesel vendors
- Fuel storage capacity of 48 hours at full load



Connectivity

- Carrier and Cloud Neutral
- Interconnection of all Africa Data Centres
- Redundant Carrier meet me rooms
- Redundant cabling infrastructure with diverse paths
- Pre cabling to support fast cross connect deployments
- Multi cloud interconnection platform to connect clients to major service providers such as Microsoft Azure, Google Cloud, Amazon Web Services and others
- Connectivity to major hubs and Dark Fibre Infrastructure



Cooling

- Cooling to data halls are provided by high efficiency air cooled chillers configured to N+1 configuration
- Hot Aisle and Cold Aisle Containment done to maintain cooling efficiencies
- CRAH (Computer Room Air Handler) units are designed to N+20%
- Use of water efficient technologies



Security

- Connected to 24/7 Security Operations Center and Service Control Center
- Redundant monitoring of all critical functions underpinned by standardised security processes
- Multilevel security zone principle secures the rental area and the technical operation
- Multiple barrier security system deployed across the facility
- Enhanced biometric security availability, built to client requirements and CCTV surveillance with 90-day-video retention and motion detection



Fire Detection and Suppression

- Low pressure gas system installed in the data halls triggered by double knock detection of fire alarm
- High sensitivity smoke detection system deployed in the data halls
- Fireproof walls



Product and Services

- **Colocation:** Private Cage, Secure Racks, Cross Connects, Power Metering
- Remote Hands available to assist with any client's requirements
- Peering, free peering offered with JIXP (Johannesburg Internet eXchange Point)



Monitoring

- HVAC, Power and Building critical systems managed and monitored 24/7



Certifications

- ISO27001
- ISO9001
- OHSAS 18001
- PCI DSS

