

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



Client IT load of 14,5 MW (Megawatt)



Connectivity to major hubs and Dark Fibre Infrastructure



Hot aisle and Cold aisle Containment done to maintain cooling efficiencies



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



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 and Remote Hands



All critical infrastructure and security systems are managed and monitored 24/7



ISO27001, ISO9001, OHSAS 18001, PCI DSS

Facility

- 8 Data halls, with 9000 sqm white space
- Client IT load of 14,5 MW
- Building type: Dedicated data center, free standing building
- Concurrently maintainable data centre designs with elements for fault tolerance build to asset levels
- Flexible colocation deployments: Single rack, Cages, suites, Turnkey build 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

- Client IT load of 14.5 MW once fully built out
- Multiple Incoming Feeders to the site
- Rack density up to 20 KW
- 2N UPS Topology at rack level with 10 minutes autonomy time on batteries at full load
- Generator backup fueled to provide a minimum of 48 hours of back up fuel, backed up by service delivery agreements with diesel vendors

Connectivity

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

Cooling

- Cooling to the data halls are provided Air Chiller systems configured to N+1 configuration
- Hot aisle and Cold aisle Containment done to maintain cooling efficiencies
- CRAC (Computer Room Air Condition) 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 standardized security processes
- Multilevel security zone principle secures the rental area and the technical operation
- Multiple barrier security system deployed in the Data halls
- Enhanced biometric security system availability, built to client requirements and CCTV surveillance with 90-day-Video retention and motion detection

Fire Detection and Suppression

- Fire suppression system deployed in Data halls triggered by double knock detection of fire alarm
- High Sensitivity Smoke detection system deployed in the Data halls and all other critical areas
- Fireproofed walls

Monitoring

- All critical infrastructure and security systems are managed and monitored 24/7

Product and Services

- **Colocation:** Private Cage, Secure Racks, Cross Connects and Power Metering
- Remote hands available to assist with any client request

Certifications

- ISO27001
- ISO9001
- OHSAS 18001
- PCI DSS

