

# Africa

## DataCentres

# Why Africa Data Centres?

Samrand Data Centre, JHB2

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



4 Data halls with 6000 m<sup>2</sup> (square meters) white space and 4500 m<sup>2</sup> of expansion planned for 2022



Client IT load 20 MW (Megawatt) upon completion



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



Low pressure gas assistance installed in the data halls are triggered by double knock detection of fire alarm



**Colocation:** Private Cage, Secure Racks, Cross Connects and Power Metering



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



ISO2700, ISO9001, ISO4500, ISO14001, PCI DSS

## Facility

- The site is a certified Uptime Institute Tier 4 constructed facility which is unique in South Africa
- 4 Data halls with 6000 m<sup>2</sup> white space
- Site capacity 30 MW
- Fault-tolerant mechanical and electrical system designs
- Flexible colocation deployments: Single Rack, Cages, Suites, turnkey built to suites, Shell and Core Solutions
- Ancillary spaces (offices, storage, seating facilities and pre installation rooms available)
- Shared areas such as meeting rooms and catering area

## Power

- Client IT load 20 MW once fully built out
- Five feeders coming to site configured in parallel
- Power distribution configured to 2N, supplied by DRUPS (Diesel Rotary Uninterruptible Power Supply)
- 2N Electrical topology at rack level
- Generator backup fuelled to provide a minimum of 7 days supported by service delivery agreements with diesel vendors

## Connectivity

- Carrier and Cloud-Neutral
- Interconnection of all Africa Data Centres' sites across the continent
- Redundant meet me rooms
- Redundant cabling infrastructure with diverse paths
- Pre cabling to support fast Cross Connect deployments
- Multi Cloud interconnection platform to connect clients directly 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 system to the Data Halls is configured to 2N solution with high resiliency
- Energy efficient chiller system deployed with minimum use of consumable water
- Hot aisle and Cold aisle Containment done to maintain cooling efficiencies
- CRAC (Computer Room Air Conditioning) units are designed to N+2 in the Data Hall

## Security

- Connected to 24/7 Security Operations Centre and Service Control Centre
- 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 assistance installed in the data halls are triggered by double knock detection of fire alarm
- High sensitivity smoke detection system deployed in the data halls
- Fire and bomb proof walls

## Products and Services

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

## Monitoring

- **Colocation:** Private Cage, Secure Racks, Cross Connects, Power Metering
- Remote Hands available to assist with any client's requirements

## Certifications

- ISO27001
- ISO9001
- ISO4500
- ISO14001
- PCI DSS

