

## Why Africa Data Centres?

Cape Town Data Centre, CPT1

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



2700 m<sup>2</sup> (square meters) of IT space ready for deployment and 2300 m<sup>2</sup> planned expansion in 2021



Maximum Client IT load of 9 MW (Megawatt) upon completion



Interconnection of all Africa Data Centres' sites across the continent



CRAH (Computer Room Air Handler) units are designed to N+2



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



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



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



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



ISO27001, ISO9001, ISO45001, ISO14001, PCI DSS

## Facility

- 2700 m<sup>2</sup> of IT space ready for deployment and 2300 m<sup>2</sup> planned for expansion year 2021
- Site capacity 14 MVA white space
- Concurrently maintainable data centre designs with high availability 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, seating facilities and pre installation rooms available)
- Shared areas such as meeting rooms and catering area

## Power

- Maximum Client IT load of 9 MW once fully built out
- Dual income feeders
- Average rack density of 15 kW per rack
- 2N Electrical topology at rack level
- Two separate UPS (Uninterrupted Power Supply) system (A&B supply)
- Generator backup fuelled to a minimum of 48 hours supported by service delivery agreements with diesel vendors

## Connectivity

- Carrier and Cloud Neutral
- Interconnection of all Africa Data Centres' sites across the continent
- 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 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 Data Halls is concurrently maintainable
- Hot Aisle and Cold Aisle Containment done to maintain cooling efficiencies
- Energy efficient cooling system deployed
- CRAH units are designed to N+2

## 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

## Monitoring

- HVAC, Power and Building critical systems managed and monitored

## Products and Services

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

## Certifications

- ISO27001
- ISO9001
- ISO4500
- ISO14001
- PCI DSS

