

JOHANNESBURG DATA CENTER CAMPUS OVERVIEW

Vantage is expanding into Johannesburg, South Africa, the number one data center market in Africa.

FEATURES

- 30-acre (12 hectares) campus
- 80MW of critical IT load
- Three planned, two-story data centers
- 650,000 SF (60,000 M²) of space
- 300W/SF (3.2kW/M²) average density
- Class A building amenities including office, conference rooms, break rooms and more

SPECIFICATIONS

POWER	80MW of critical IT load
POWER DENSITY	Up to 300W/SF
DATA CENTER SIZE	650,000 SF

AMENITIES

- Dedicated offices and workspaces customizable to your needs
- Secure storage with easy access between data modules
- Multiple conference rooms and meeting spaces throughout the campus
- Located within Waterfall City surrounded by restaurants, hotels, shopping and entertainment venues

POWER

- 100MVA HV substation on site
- Power provided by ESKOM
- Multiple, diverse power feeds supporting the campus
- 400V electrical configuration
- All systems 100% concurrently maintainable

COOLING

- N+2 component-level redundancy across mechanical systems
- Computer Room Air Handling (CRAH) units located in two galleries on opposite sides of each data module allow for highly efficient airflow distribution
- Closed-loop chilled water system with air-side economizers
- Water Utilization Efficiency (WUE) is near zero (liters/kW/hr) using the latest cooling design

CONNECTIVITY

- Two Meet-Me-Rooms (MMRs) for each data center on campus, allowing for diverse paths and multiple connectivity options
- Four points-of-entry (POEs) for the campus ensuring maximum path diversity for inbound carriers
- Diverse fiber pathways into the campus (minimum 2 paths per carrier)

SECURITY

- On-site security operations center with patrols 24x7x365
- K12-rated fencing around the perimeter with impact protection
- CCTV on all access control points throughout the entire campus
- Dual authentication for customer and critical infrastructure areas
- Visitor Management System with controlled and monitored access points and stringent access control policy