Paratus Zambia
Data Center

Effectively manage and secure your most valuable asset — your business data.

PARATUS

Paratus Zambia
Data Center

Location

- Geo-coordinates: -15.4077841,28.2934219
- Height 1284m (Above Sea Level)

Connectivity

- Diverse A & B fiber access connection points (P-MMRs)
- Diverse meet-me rooms (MMR A, B, C & D) for connectivity resilience and cross connection capability.
- Carrier neutral facility
- 80M Tower with microwave redundancy
- Redundant Direct Internet Access (DIA) with multiple providers
- Fully meshed multi-homed Border Gateway Protocol (BGP) peering topology
- 6 Dedicated Telecom meet-me rooms
- IP Transit
- 99.98% uptime
- 100Gbps fiber metro connectivity
- Fiber connectivity to the rack

Colocation

- 540m² of white space & 460m² of engineering space
- 120 cabinet capacity
- Generous 1,200mm x 600mm 42U cabinets, with separately metered PDUs (A&B UPS Feeds)
- Shared, dedicated, caged and private suite rack options
- Remote hands service available
- Dedicated client unboxing and staging area
- Secure client storage space

Fire Detection and Suppression

- Fire suppression and 2-hour fire rating for DC white space, service aisles, UPS and DB rooms
- Environmentally safe, human friendly, low-pressure suppression gas Novec©
- Very Early Smoke Detection Alarm System (VESDA) installed throughout the facility
- Fire extinguishers throughout the facility

Heating, Ventilation, and Air Conditioning (HVAC)

- Cooling with N+1 resilience with built in ATS feeds for A & B power feeds per CRAC unit
- Aisle containment across all aisles
- 12x CRACs (Computer Room Air Conditioner)
- Constant positive pressure throughout facility
- Dual service corridors for cooling facilities
- Dual service corridors for per data hall to ensure segregation between white space and engineering facilities

Power

- 1-Megawatt power capacity
- Redundant A&B power feeds from power utility
- 2 dedicated generators - one per feed for comprehensive resilience delivering a total of 2 MW
- 72 hours of fuel autonomy
- Diverse power feed design throughout the facility
- Fully resilient modular 500 kVA UPSs per feed (A&B) dedicated to the Data Center
- Lithium-ion batteries
- Separate utilities UPS to ensure electrical autonomy
- Lightning protection and earthing system across all buildings and engineering facilities
- Dual Metered UPS feeds per cabinet to deliver up to 3.5kVA

Security Systems

- Multilevel security including alarmed perimeter fences, highly trained onsite security staff and advanced monitoring systems
- 5 Levels of security to the rack for caged environments
- CCTV surveillance throughout the DC campus area, facilities and DC, monitored 24x7
- Alarm system with separate magnetic break detectors for all doors with 8-hour back-up battery
- Biometric access control on all doors

Monitoring and Environment

- Dedicated DC NOC for the entire campus
- 24x7 dedicated onsite NOC operators and DC technicians
- Fully integrated true DCIM system, with asset control, monitoring and I.T Service Management (ITSM)
- Temperature and humidity probes throughout facility
- Water detection probes with bund walls and drip trays for all HVAC equipment

Facilities

- Paratus clients enjoy 24x7 access to facilities
- 3x Work allocation rooms
- 80m² Business Continuation room
- Access to comfortable conference facilities and amenities

Certifications

- ISO 9001 - Quality Management System
- ISO 27001 - Information Security Management Systems
- PCI DSS - Payment Card Industry Data Security Standards

Contact us:
+260 211 262 698
sales.zm@paratus.africa

PARATUS