

# DB1

## DURBAN CAMPUS

Durban, South Africa



Colocation Interconnection Peering Cloud Support Technical Monitoring Remote Hands

### KEY ATTRIBUTES

## TERACO'S DURBAN CAMPUS

With over **3,500 square metres of space** and master planned for **1MVA available IT power**, clients have room to grow. With its world-class data centre infrastructure and network dense ecosystems, this location offers clients access to numerous service providers and cloud on-ramps.

The Durban Campus delivers an efficient, secure, and resilient offering for clients to address their increasing power and space needs whether they provide content, financial data, or cloud-based services.

**Located in Riverhorse Valley in Newlands**, Durban, the DB1 data centre facility caters to South Africa's colocation, interconnection, peering, and data centre infrastructure requirements in the province.


 **3,500m<sup>2</sup>**  
TOTAL SPACE

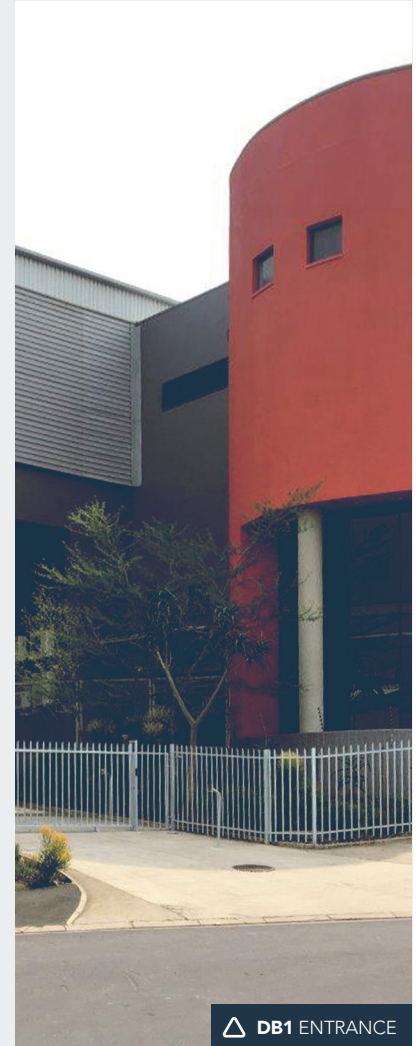
 **1,000m<sup>2</sup>**  
WHITE SPACE  
(+1,000m<sup>2</sup> Q4 2023)

 **4MVA**  
TOTAL POWER

 **N+1**  
COOLING REDUNDANCY

 **N+1**  
UPS REDUNDANCY

 **99,999%**  
UPTIME



### TERACO'S ECOSYSTEM

**x7**  
REGIONAL  
LOCATIONS

**x6**  
DIVERSE INTERNET  
EXCHANGE POINTS

**200+**  
ENTERPRISE  
CLIENTS

**130+**  
IT SERVICE  
PROVIDERS

**250+**  
NETWORK  
PROVIDERS

**15+**  
GLOBAL CLOUD  
ON-RAMPS

The world **connects here.**

**TERACO**<sup>®</sup>  
A DIGITAL REALTY COMPANY

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## ENVIRONMENT

- Concurrently maintainable data centre designs with elements for fault tolerance built into asset levels.
- Energy efficient designs to meet industry standard Power Usage Effectiveness in line with ASHRAE n=20 parameters.
- Independent temperature monitoring at cabinet level automatically adjusts cooling units to avoid hot spots.
- Standard Service Level Agreement - Temperature controlled and maintained between 18°C and 27°C.
- Standard Service Level Agreement - Relative humidity maintained between 20% and 80%
- Data centre positively pressurised to ensure a dust-free environment, with dedicated anti-static mats.

## SECURITY

- Comprehensive perimeter and building security - "zones within zones" for multiple levels of security.
- Pre-authorisation required for data centre access according to Teraco Access Policy.
- Visitor identity confirmed against pre-authorised list, with additional biometric confirmation through fingerprint imaging.
- Service areas physically separate from data centre areas.
- Continuous video surveillance.
- Comprehensive audit logs on all access.
- Additional bespoke access policies implemented for private cage colocation.

## INFRASTRUCTURE

- Cabinets comprise of 47U racks.
- An additional 200mm of depth is added per cabinet, making each cabinet 1,200mm deep, allowing space for wiring, air flow and access

- Perforated front and back doors, allows for better air flow.
- All cabinets have unique locks, ensuring that only approved personnel are able to gain access.

## POWER

- Utility power provided with as much infrastructure resilience as possible based on South African utility provider restrictions.
- Concurrently maintainable designs with elements of fault tolerance built into asset levels.
- Resilient diesel backup generators are fueled to provide a minimum of 48 hours of back up fuel under full load design conditions.
- Fuel scrubbers are installed to ensure fuel quality with periodic fuel sampling at registered laboratories.
- Power Distribution Unit (PDU) technology manages power to socket level within cabinets, in addition to remote management capabilities.
- Power is supplied in 1.1kVA increments. Higher power configurations are available.
- Detailed measurement and proactive notification of power usage are effected via a secure client portal.
- Reliability studies conducted with proven track record.

## PROVISIONING

- Colocation is available in managed multi-tenant areas or private cages.
- Facilities are hardware vendor agnostic.
- Unrestricted choice of network operators or ISP's.
- Planned preventative maintenance performed in accordance with manufacturers' recommendations and industry best practices, with no interruption to services.

- Predictive maintenance is based on information collected through the building monitoring system (BMS).
- Remote Hands available 24/7.

## CONNECTIVITY

- All major network operators present in the Carrier Hotel.
- Any point within the data centre can be connected to any other via multiple resilient routes.
- Cabling for single and multimode fibre.
- All cabling vendors are certified.
- All cabling is managed by structured cabling policies and is implemented by Teraco technicians to guarantee availability.

## FIRE PROTECTION

- Pro-active fire monitoring systems linked to fire suppression system, incorporating best practice fire protection and prevention procedures.
- Multi-zone monitoring within all data centre plenums and the energy centres, inclusive of early warning systems.
- All monitoring and fire protection equipment fed via independent diverse power sources.
- Minimum 1-hour fire separation between various parts of the facility.

## MONITORING

- Dual independent building monitoring systems (BMS) ensure concurrent maintainability.
- Alarms and early warning messages alert technicians on duty.
- All areas have 24x7 intelligent monitoring and video surveillance with integrated motion sensors.

## Protect. Connect. Grow.

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