Open Access
Data Centres DURBAN

A new data centre proposition for
South Africa

Open Access Data Centre Durban (OADC Durban DUR1) is a world-class, carrier-neutral facility, delivering 4,200m² of flexible space, supporting 2,000m² of IT white space, as well as A-Grade tech park office space.

Profile and Location

OADC Durban is a purpose-built, high-specification data centre, situated on a prime site 20km from Durban city centre.

Its close proximity to the city centre ensures it supports mirrored applications. There are excellent communication, transport, and airport links. Additionally, the facility provides on-site parking, private meeting rooms, work areas, and other amenities.

Transforming digital Africa

Site Features

- **Total area:** 1 hectare
- **Total technical space:** 2,000m² (over 1 floor) at maximum capacity
- **Building:** Brick-built data centre and operations building
- **Height:** 4.2m clear between floor and underside of the ceiling
- **Floor:** Designed at >12kN/m² UDL
- **Access to building:** 24/7/365
- **Connectivity:** Multiple carrier Points of Presence with diverse routes, including integrated 2Africa cable landing station
- **Green:** committed to minimising environmental impact with green technologies & innovations – currently in the process of Green Star Level 4 Sustainability; ISO 9001, 14001, 27001, 45000, 50001; PCI-DSS accreditation

Open Access Data Centres DURBAN

OADC DUR1 Features

Power

- **Power feed:** up to 4MW site load, 11kV power supply with dedicated transformer and power distribution rooms
- **Power on site:** 400/230v three phase, also 48v DC
- **Generators:** 100% backup of complete site using 2N, data centre continuous rated, diesel generators
  - minimum 72-hour fuel storage capacity with polishing and refuelling during use 24/7/365
  - fuel delivery callout contract in place 24/7/365
- **UPS:** modular 'hot swappable' static 2N configuration - 10-minutes autonomy
- **Grounding system:** full TNCS earth network + ground strike and building lightning protection and surge protection systems
- **Lighting:** 500Lux at working plane LED in data centre aisles
- **SLA:** guaranteed 100%

Environment

- **DC cooling capacity:** 3-7kW per rack
- **Temperature/humidity range:** ASHRAE TC9.9 Table A1
- **Cooling redundancy:** N+1 configuration

Fire protection

- **Fire detection:** latest technology, analogue addressable system with smoke detection in every room on site
- **HSSD and VESDA systems**
  - pro-active fire monitoring systems linked to gas suppression in critical areas + data halls as an early warning system
  - multi-zone monitoring in all areas
  - minimum 1-hour fire separation within facility
- **Fire suppression system:** NOVEC 1230 gas-suppression system in data halls

For more information, please contact:

OADC Durban DUR1
3 Oppenheimer Road, Umbogintwini,
Amanzimtoti 4126, South Africa
Phone +27 011 030 0000
Email: enquiries@openaccessdc.net

Control

- **BMS:** Independent BMS/EMS web-based system monitoring and managing all aspects of data centre infrastructure (power, a/c, fire protection, security) and customer equipment alarm
- **Customer support:** NOC manned 24/7/365
  - service desk operations and management are underpinned by our call logging system and customer extranet, which tracks customer installations, works orders and technical support provided on-site

Security

- **Multi-stage physical security and access control**
- **Physical security:** perimeter wall and fence
- **Vehicular security:** manned, secure and monitored building perimeter entrance
- **Human:** 24/7/365-manned security station
- **CCTV:** exterior, interior and data hall-specific CCTV, minimum 30 days of time-lapse digital image recording
  - biometric palm scanner at the entrance
  - photo ID access card and intruder alarm
- **Access control:** 7-level access control system with highest level to access the technical areas
  - card access proximity readers to all doors
  - monitored perimeter doors
  - anti-passback
  - customer equipment alarm
  - enhanced security options to dedicated suites
  - electronic visitor sign-in system

Connectivity

- **Carrier-neutral:** adjacent to major fibre routes and available through a range of on-site providers

Services

- Colocation (racks, cages, suites, cold aisle, power)
- Warm hands
- Connectivity
- Cross-connects
- Consultancy/bespoke design
- Insights
- Industry-leading suite of client information systems