



## OADC Umhlanga (DUR2)

Manage your mission-critical data & have the ultimate flexibility for your digital assets with flexible rack space, power mitigation, security & compliance.

### **A Truly Open-Access & Carrier-Neutral Data Centre**

Strategically located adjacent to major fibre routes, it provides a gateway to an extensive selection of onsite providers & metro connectivity to key data centres in the Durban area.



[openaccessdc.net](http://openaccessdc.net)

#### Key Site Features

- Carrier-neutral facility. A carrier mix from global Tier-I providers to regional suppliers with diverse fibre routes & guaranteed uptime. Metro connectivity to major data centres in Durban.
- 1MW site load, 11,000v power supply with 11kV distribution network on site to dedicated transformer & power distribution rooms per-phase. 400/230v three-phase. 48v DC power on-site.
- Multi-stage physical security & 7-level access control system. 24/7/365 monitoring of all aspects of data centre infrastructure.
- Data Centre Infrastructure Management (DCIM): Web-based system monitoring & managing all aspects of data centre infrastructure (power, a/c, fire protection, security) & client equipment alarm.
- The latest fire detection & suppression technology with smoke detection in every room on site.

**850m<sup>2</sup>**

Total Area

**450m<sup>2</sup>**

Technical Space

**Tier-III**

Compliant

**N+1**

Cooling Redundancy

**1MW**

Site Load

**Scalable & Variable-Density**  
Racks

#### Services

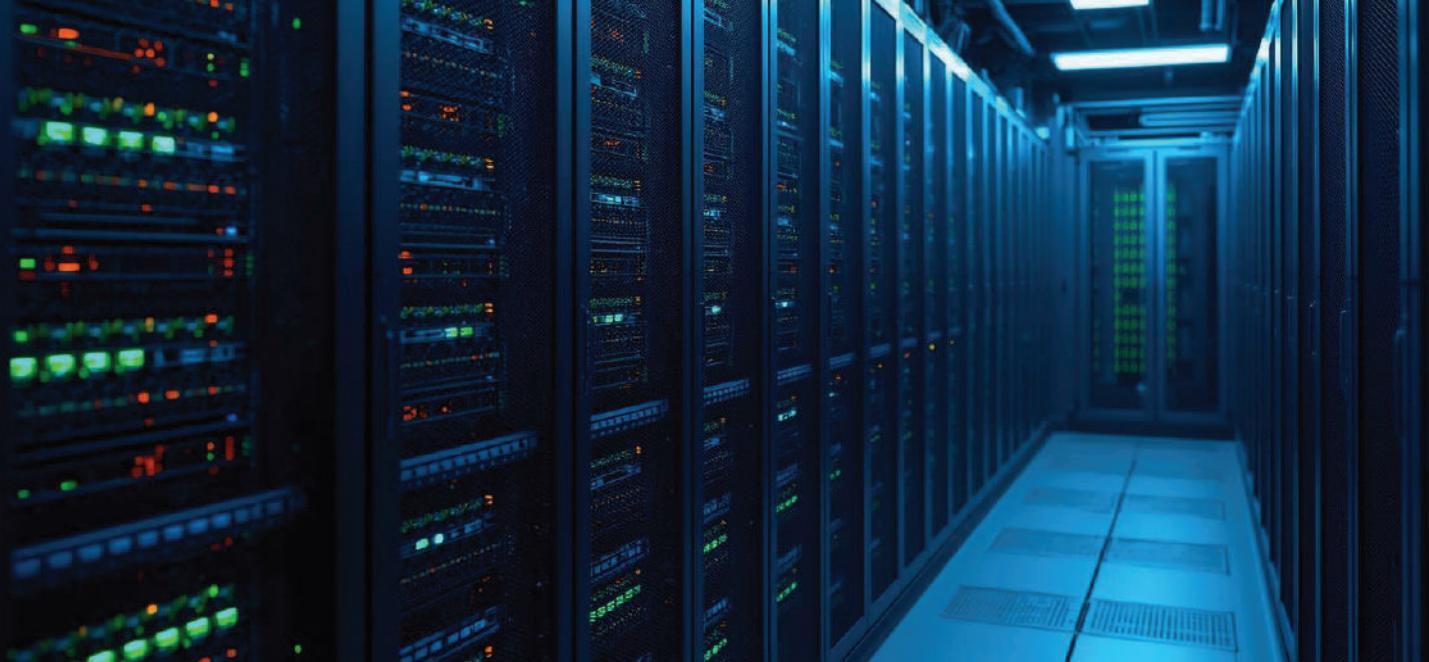
**Colocation** (Racks - multiple, single, half & quarter racks available + cages & suites)

**Cross connects** & structured cabling

**Remote (Warm) hands** & client insights

**Global cloud platforms** hosted locally

**Internet exchange point** (IXP)



## Power

**Power feed:** up to 1MW site load, 11,000v power supply with 11kV distribution network on site to dedicated transformer & power distribution rooms per-phase

**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 & 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 & building lightning protection & surge protection systems

**Lighting:** 500Lux at working plane LED in data centre aisles

**SLA:** guaranteed 100% power uptime on A or B power paths at any time

## Security

**Physical security:** perimeter wall & fence

**Vehicular security:** manned, secure & monitored building perimeter entrance

**Human:** 24/7/365-manned security station

**CCTV:** exterior, interior & data hall-specific CCTV, minimum 30 days of time-lapse digital image recording

**Biometric** finger scanner at the entrance

**Photo ID access** card & 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

## Environment

**Temperature/humidity range:** ASHRAE TC9.9 Table A1

**Cooling redundancy:** N+1 configuration

**Cooling system:** independent, 120kW DX, close-control air-conditioning units, N+1

## Fire Protection

**Fire detection:** latest technology, analogue addressable system with smoke detection in every room on site

**High sensitivity VESDA:** VESDA system in critical areas + data halls as an early warning system

**Fire suppression system:** NOVEC 1230 gas-suppression system in data halls