



OADC Durban (DUR1)

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

Key Site Features



Carrier-neutral facility & subsea cable landing station. 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.



8MW 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.



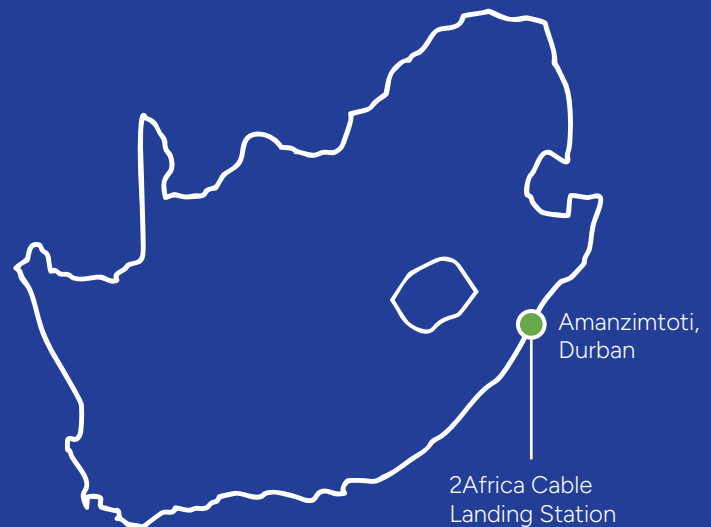
Data Centre Infrastructure Management (DCIM): Web-based system monitoring & managing all aspects of data centre infrastructure (power, a/c, fire protection, security) & client equipment alarm.



The latest fire detection and suppression technology with smoke detection in every room on site.

Landing Partner & Station for the 2Africa Cable System

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

4,200m²

Total Area

2,000m²

Technical Space

Tier-III

Compliant

N+1

Cooling Redundancy

8MW

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 8MW 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