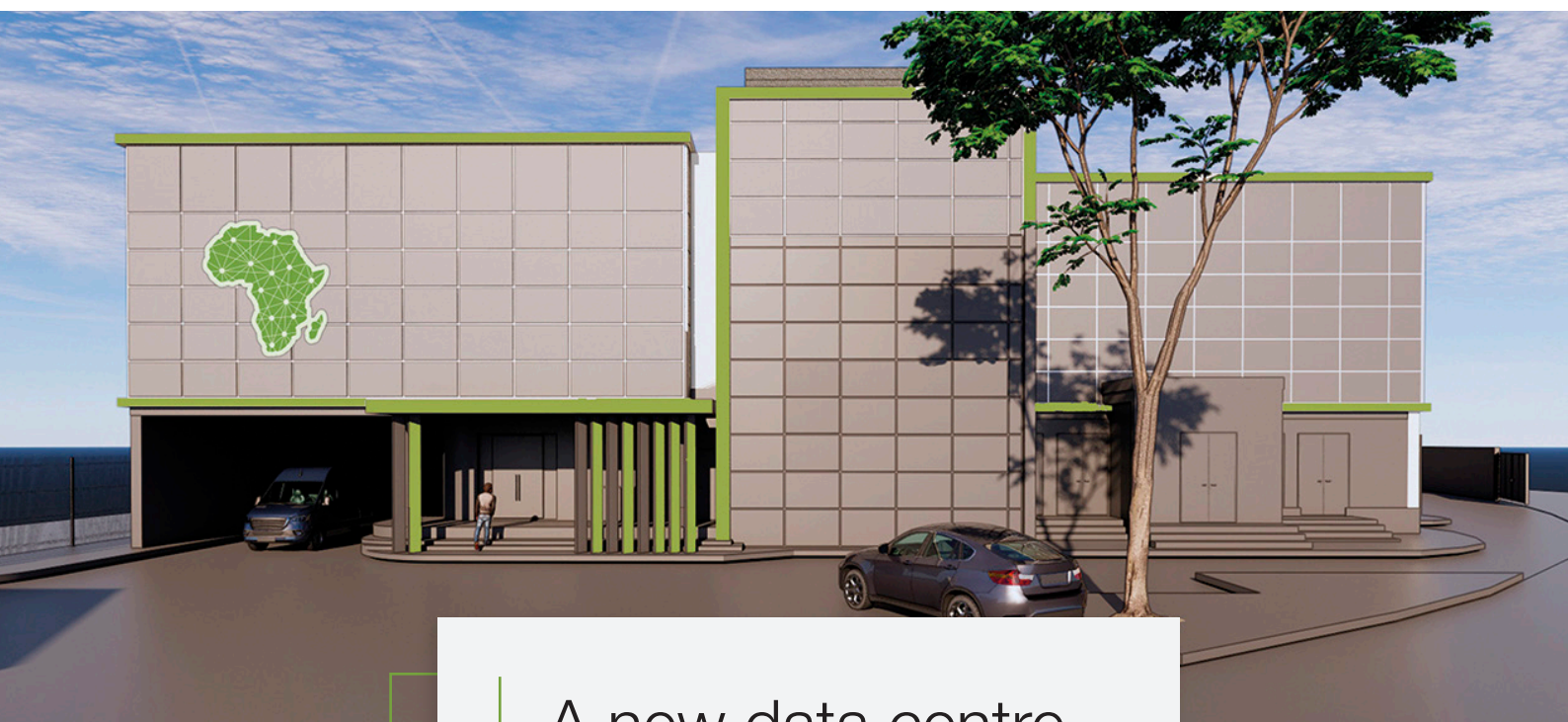


Open Access

Data Centres **KINSHASA**



A new data centre
proposition for **DRC**



OADC Kinshasa

Open Access Data Centres' Kinshasa facility is designed to be the most client-centric data centre in the DRC. Opening in early 2023, this world-class, carrier-neutral facility will deliver 1,000m² of flexible IT white space, located within the Silikin Village tech hub.

OADC Kinshasa is an initial step in deploying a US\$500 million-plus, pan-African network of more than 20 Uptime Institute Tier III constructed and ISO certified, open-access data centres.

We have chosen to build our DRC data centre in Kinshasa to support the growth in demand across the region, which will increase further with the arrival of the new Equiano and 2Africa subsea cables. Our open access and carrier neutral data centre ecosystem will support telcos, ISPs, the cloud operator and wholesale communities and major enterprises such as finance and governments, to deliver the highest levels of operations, flexibility, scalability and client service in the DRC.

PROFILE AND LOCATION

OADC Kinshasa is a high-specification data centre built and operated to international standards, situated on a prime site within the city centre along Avenue Colonel Mondjiba.

Its close proximity to the city centre ensures ease of access for clients, with excellent communication and transportation links, as well as on-site parking, private meeting rooms and work areas etc. available at the facility.

SITE FEATURES

- Total area: 0.3 hectare
- Total technical space: 1,000m² at maximum capacity
- Building: Brick-built data centre and operations building
- Height: 4m (min.) 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



DATA CENTRE FEATURES

Power

- Power feed: 2MW (min.) site load, 20kV power supply with dedicated transformer and power distribution rooms
- Power on site: 380/230v three phase
- 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
- 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
- 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

Choosing to partner with us means engaging with an innovative and truly client-centric data centre experience.

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 track 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 of 30 days of time-lapse digital image recording
 - biometric palm scanner at the entrance
 - photo ID access card and intruder alarm
- Access control: multi-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 onsite 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

Open Access

DATA CENTRES



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