

# The Cloud and Data Centre Revolution in Africa

<https://marketpublishers.com/r/CDAE0AB44892EN.html>

Date: May 2024

Pages: 101

Price: US\$ 2,100.00 (Single User License)

ID: CDAE0AB44892EN

## Abstracts

Compared with other Data Centre markets around the world, Africa is unique in the sense it has a population of over 1.3 billion people and with a total land mass of 30,365,000 km and has the potential to create huge demand for Data Centres and the digital services provided by Data Centre facilities.

To-date only a small portion of the potential demand for African Data Centre space has been met with Africa having a low Data Centre penetration rate compared with other regions.

This report covers details of the of the 62 Data Centres with 139 facilities now present in 26 countries out of the total of 53 countries in Africa (See coverage below).

Datacentrepricing forecasts that the African third-party Data Centre market is set to grow rapidly from 2021 onwards although starting from a low installed base.

The report also looks at the CSPs (Cloud Service Providers), to-date AWS and Microsoft have established their services in Africa the number of cloud users in the region is set to grow sharply according to datacentrepricing's forecasts.

Geographical coverage of African countries with DC presence

Algeria, Angola, Botswana, Cameroon, Chad, DRC (the Democratic Republic of Congo), Djibouti, Egypt, Ethiopia, Ghana, Ivory Coast, Kenya, Libya, Mauritius, Morocco, Mozambique, Nigeria, Rwanda, Senegal, Sierra Leone, South Africa, Tanzania, Tunisia, Uganda, Zambia and Zimbabwe.

## Contents

About Data Centre Pricing (DCP)

Methodology – The Cloud & Data Centre Revolution taking place in Africa

Executive Summary – Highlights of The Cloud & Data Centre Revolution taking place in Africa

### **SECTION ONE - INTRODUCTION – THE AFRICA DATA CENTRE LANDSCAPE**

1. Mapping the African Continent by region
2. World Economic Forum & World Bank analysis of Africa
3. Fibre connectivity across Africa (domestic & international)
4. Power availability in Africa
5. Sustainable power availability in Africa
6. Cloud services in Africa
7. Data Centres in Africa

### **SECTION TWO – AFRICA DATA CENTRE COUNTRY MARKETS**

North Africa Region survey by Country Market

The key Data Centre developments by Country

Key Infrastructure developments by Country

Forecast Data Centre developments in the North Africa Region (2021 to 2025)

East Africa Region survey by Country Market

The key Data Centre developments by Country

Key Infrastructure developments by Country

Forecast Data Centre developments in the East Africa Region (2021 to 2025)

West Africa Region survey by Country Market

The key Data Centre developments by Country

Key Infrastructure developments by Country

Forecast Data Centre developments in the West Africa Region (2021 to 2025)

Southern Africa Region survey by Country Market

The key Data Centre developments by Country

The Infrastructure developments by Country

Forecast Data Centre developments in the Southern Africa Region (2021 to 2025)

### **SECTION THREE – PROFILES OF THE KEY DATA CENTRE PLAYERS IN AFRICA**

Africa DataCentres (Liquid Telecom) Profile

BCX Data Centre Profile  
DataXion Data Centre Profile  
EO Data Centre Profile  
I-colo Data Centre Profile  
IS (Internet Services) Data Centre Profile  
MainOne Data Centre Profile  
N+ONE Data Center Profile  
Rack Centre Data Centre Profile  
Telkom Data Centre Profile  
Teraco Data Environments Profile  
Vodacom Data Centre Profile

## **SECTION FOUR – CONCLUSIONS AND KEY TRENDS FOR THE CLOUD & DATA CENTRE REVOLUTION IN AFRICA**

1. Conclusions – The Cloud & Data Centre Revolution in Africa
2. Key Trends – The Cloud & Data Centre Revolution in Africa
3. Combined Forecast – African Data Centre space and power from the beginning of 2021 to the beginning of 2025
4. Forecast – Africa Cloud from the beginning of 2021 to the beginning of 2025

## List Of Figures

### LIST OF FIGURES – THE CLOUD AND DATA CENTRE REVOLUTION IN AFRICA

Figure 1: A table showing the foreign currencies used in the report converted into USD

Figure 2: A table summarising the African Data Centre Landscape – forecast as of the beginning of 2021

Figure 3: A chart showing the size of the African Data Centre market compared with other Country Markets - in thousands of m2 forecast as of the beginning of 2021

Figure 4: A table showing Africa's relative position in the world economy by key metrics

Figure 5: A pie chart showing the breakdown of third-party Data Centre floor space by four African regions - forecast as of the beginning of 2021 in per cent

Figure 6: A pie chart showing the breakdown of African Data Centre business models by numbers of facility in per cent

Figure 7: A table showing the recent Data Centre investments in local African markets

Figure 8: A table showing the new small Data Centre facilities being launched in African Country Markets

Figure 9: A chart showing forecast third-party African Data Centre space (in m2) from the beginning of 2021 to the beginning of 2025

Figure 10: A chart showing forecast third-party African Data Centre Customer Power (DCCP – in MW) from the beginning of 2021 to the beginning of 2025

Figure 11: A table showing the Cloud Service Providers (CSPs) based in Africa as of June 2020

Figure 12: A pie chart showing a breakdown of African Data Centre space by Country Market in per cent as of the beginning of 2021

Figure 13: A chart showing the forecast growth in African cloud service revenues from the beginning of 2021 to the beginning of 2025 - in millions of USD

Figure 14: A chart showing the amount of third-party Data Centre space divided by population size for selected countries

Figure 15: A table showing the third-party African Data Centres certified by the US UpTime Institute

Figure 16: A table showing the WEF GCI 2020 survey ranking for selected African countries

Figure 17: A table showing the African Countries ranked in the 2019 World Bank Doing Business survey

Figure 18: A table showing the number of servers per million of population for selected African Countries

Figure 19: A diagram showing the Liquid Telecom fibre network including the terrestrial East to West Africa fibre connection

Figure 20: A table showing the new domestic fibre connections available in Africa

Figure 21: A table showing Broadband speeds by selected African Countries with 5 GB film download times

Figure 22: A table showing the mean download speeds for 40 African countries

Figure 23: A table showing the key subsea cable systems connecting Africa

Figure 24: A schematic showing the Equiano subsea cable system

Figure 25: A table showing the percentage of renewable power - as a percentage of total power – by selected African Countries

Figure 26: A table showing standard electricity costs by selected African Country Markets in USD per kWh

Figure 27: A table showing the key African Internet Exchange Points

Figure 28: A picture showing the Loon base station and balloon

Figure 29: A table showing the new Pan-African Data Centre facilities planned in the region

Figure 30: A table showing the key Telecoms Provider Data Centre facilities by African Country

Figure 31: A simplified map showing the Countries in the North Africa Region

Figure 32: A table showing forecast Country Market raised floor space in '000's of m2 for the North Africa Region from the beginning of 2021 to the beginning of 2025

Figure 33: A table showing forecast Country Market DCCP in MW for the North Africa Region from the beginning of 2021 to the beginning of 2025

Figure 34: A table showing the key new Data Centre developments in the North Africa Region

Figure 35: A simplified map showing the Countries in the East Africa Region

Figure 36: A table showing forecast Country Market raised floor space in '000s of m2 for the East Africa Region from the beginning of 2021 to the beginning of 2025

Figure 37: A table showing forecast Country Market DCCP in MW for the East Africa Region from the beginning of 2021 to the beginning of 2025

Figure 38: A table showing the new Data Centre developments in the East Africa Region

Figure 39: A simplified map showing the Countries in the West Africa Region

Figure 40: A table showing the key new Data Centre developments in the West Africa Region

Figure 41: A table showing forecast Country Market raised floor space in '000s of m2 in the West Africa Region

Figure 42: A table showing forecast Country Market DCCP in MW in the West Africa Region

Figure 43: A simplified map showing the Countries in the Southern Africa Region

Figure 44: A table showing forecast Country Market raised floor space in '000's of m2

for the Southern Africa Region

Figure 45: A table showing forecast Country Market DCCP in MW for the Southern Africa Region

Figure 46: A table showing the key new Data Centre developments in the Southern Africa Region

Figure 47: A table showing the Data Centre space forecast for Africa from the beginning of 2021 to the beginning of 2025 (in m2)

Figure 48: A chart showing the Data Centre space forecast for Africa from the beginning of 2021 to the beginning of 2025 (in m2)

Figure 49: A table showing the Data Centre Power forecast for Africa from the beginning of 2021 to the beginning of 2025 (in MW)

Figure 50: A chart showing a Data Centre Power forecast for Africa from the beginning of 2021 to the beginning of 2025 (in MW)

Figure 51: A chart showing the Data Centre space forecast for Africa (broken down by North, East, West & Southern Regions) from the beginning of 2021 to 2025 (in m2)

Figure 52: A chart showing the Data Centre power forecast for Africa (broken down by North, East, West & Southern Regions) from the beginning of 2021 to 2025 (in MW)

Figure 53: A table showing the CAGR (Compound Annual Growth Rate) space forecast for Africa (broken down by North, East, West & Southern Regions) from the beginning of 2021 to 2025 (in per cent per annum)

Figure 54: A table showing the CAGR (Compound Annual Growth Rate) power forecast for Africa (broken down by North, East, West & Southern Regions) from the beginning of 2021 to 2025 (in per cent per annum)

Figure 55: A chart showing a cloud computing forecast in Africa from the beginning of 2021 to the beginning of 2025 in millions of USD per annum

## **COMPANIES MENTIONED IN THE REPORT**

Actis

Accenture

African Data Centre Association (ADCA)

Africa DataCentres

Africell (formerly Orange Uganda)

Airtel

Algerie Telecom

Alibaba

Alphabet (the parent of Google)

Alcatel Submarine Network (ASN)

Altron

Amazon Web Services (AWS)  
Angola Cables  
Angola Telecom  
Angola Communication Systems  
ASA MS Telecom  
Axxess  
Botswana Fibre Networks  
Botswana Telecoms Corporation  
Business Connexion (BCX)  
CAMTEL  
Cegelec  
Cell C  
China Communications  
China International Telecommunications Construction Corporation (CITCC)  
Cloud Exchange West Africa  
COMPOST, the Cameroon Postal service  
Comtel NBN  
Content Delivery Networks (CDNs)  
Convergence Partners Investments  
CSquared  
Dandemutande  
Dark Fibre Africa (DFA)  
Datacentrix  
DataXion  
Deloitte  
Digital Africa Parks  
DimensionData  
Djibouti Telecom  
Djibouti Data Center  
DJIBOUTI INTERNET EXCHANGE (DjIX)  
DRC's National Post & Telecommunications Company  
East Africa Data Centre (EADC – now part of Africa DataCentres)  
Eastern Africa Power Pool (EAPP)  
Emtel  
EO Datacenter  
EOH  
Eskom  
Ethio Telecom  
Ethiopia DC (ETDC)

Etisalat  
Etix  
Evonet  
Facebook  
Fast Brick Holdings  
Fibrecom  
First Distribution  
Galaxy Backbone  
Ghana Internet Exchange  
Gijima  
GlobalConnect  
Google  
GPX Global  
Huawei  
IBM  
I-colo  
IFC (International Finance Corporation, a subsidiary of the World Bank)  
Infratel Corporation  
Internet Exchange Pointe Nigeria  
Inwi DC  
Ipn  
loco  
IS (Internet Services) Data Centres  
Islalink &. Liquid Telecom  
ITA Data Center  
iWayAfrica  
Kenya Power  
KT Rwanda Networks  
Link Data Center (LDC)  
Loon  
MainOne  
Maroc Telecom  
MedAfrica Systems  
Mettle Solar Africa  
Microsoft  
Mitsui  
Mobinil (Egypt) rebranded to Orange)  
MS Telecom  
MTN



Mweb  
Ngova Etix  
Nigerian Communications Commission (NCC)  
The Nigeria Internet Exchange (IXPN)  
N+One  
Northern Africa Power Pool  
NSIA Technologies  
Obsidian  
Ooredoo  
Oracle  
Orange  
Outsourcia  
OVH  
PAIX (Ghana – RackAfrica)  
Pembani Remgro Infrastructure Fund  
PowerTel  
Rack Centre  
Raxio  
Raya DC  
Rogers Capital  
RSAWEB  
Rwandan Utilities Regulation Authority  
Safaricom  
Seacom  
Silicon Overdrive  
Somtel (Somalia)  
Sonatel Orange  
Southern Africa Power Pool  
Standard Bank  
StorTech  
STC Telco Velocity  
Synthesis  
Tanzania Telecommunications Company Ltd  
TCM  
Tech Madindra  
Telecom Egypt  
Telkom Kenya  
Telkom South Africa  
Teraco Data Environments

Tigo  
Tmcel Mozambique  
Trans-Sahara  
T-Systems  
Tunisie Telecom  
Vertiv  
VMware Cloud  
Vodacom  
West Africa Internet Exchange (WAF-IX)  
West African Power Pool (WAPP)  
XON  
Xneelo  
Zambia Information & Communications Technology Authority  
Zesco  
Zircom  
Zuku Fiber

## I would like to order

Product name: The Cloud and Data Centre Revolution in Africa

Product link: <https://marketpublishers.com/r/CDAE0AB44892EN.html>

Price: US\$ 2,100.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/CDAE0AB44892EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:  
Last name:  
Email:  
Company:  
Address:  
City:  
Zip code:  
Country:  
Tel:  
Fax:  
Your message:

**\*\*All fields are required**

Customer signature \_\_\_\_\_

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970