

## Middle East and Africa Data Center Colocation Market - Industry Outlook & Forecast 2022-2027

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#### Report description:

The Middle East and Africa data center colocation market is expected to grow at a CAGR of 8.68% during 2022-2027.

#### MARKET INSIGHTS

Some of the significant factors that are acting as a factor for the growth of the data center colocation market in the Middle East & Africa include increased digitalization initiatives across several countries, cloud service providers colocating the data centers, growth in connectivity, and others.

The market has witnessed the entry of several global colocation operators through the acquisition of local colocation operators. For instance, in August 2022, Digital Realty announced the completion of the acquisition of African colocation operator Teraco Data Environments. The region is witnessing significant initiatives for connectivity with growth in submarine cable deployments. In the Middle East & Africa, Saudi Arabia, the UAE, Qatar, Bahrain, Kuwait, Oman, Israel, Turkey, Lebanon, Yemen, Iran, South Africa, Egypt, Nigeria, Kenya, Morocco, and Djibouti are some of the countries with more submarine cable connectivity, which connects Americas, European, and Asian countries boosting the Middle East and Africa data center colocation market.

#### KEY HIGHLIGHTS

- COVID-19 has been a boon across the Middle East and Africa data center colocation market, accelerating digital transformation initiatives across several countries, increasing data center service demand, and driving the utilization of data center capacity among the colocation facilities.
- Some colocation data centers are developing wholesale colocation space in their facilities across several countries to support growing colocation demand from cloud service providers such as Microsoft, Google, AWS, and government entities. Governments across the region are aiding the growth in the construction of centers by offering several tax benefits.

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- The computing power in data centers has grown significantly due to increased demand for cloud services, big data, and IoT, which has increased rack power density. The increase in data bandwidth and high-performance computing will drive the operators to procure efficient infrastructure to manage any downtime in the data centers.

#### MARKET TRENDS

#### COVID-19 Impact on Data Center Investments

- Due to the COVID-19 pandemic, the demand for data center services in the Middle East & Africa has increased with the heightened access to internet-related services aided by nationwide lockdowns imposed by governments in March 2020. Online shopping, even post-COVID-19, has increased the demand for online platforms compared to traditional shopping. In Turkey, there was an 85% increase in online shopping YOY, and the e-commerce sector in Turkey expects to reach over USD 50 million by the end of 2021. For instance, Carrefour, a retail grocery company, witnessed a sales increase of around 50% in Q1 2020. Such factors are becoming a major contributor to the growth of the Middle East and Africa data center colocation market.

Smart City Initiatives Across Several Countries Aiding the Growth of Digitalization

- In the Middle East and Africa, several companies and governments have taken the initiative to invest in the development of smart cities. The development of smart cities is aiding the growth in digitalization and further driving the demand for data center construction. Some smart city initiatives in the Middle East and Africa data center colocation market include the Dubai South project and Zayed Smart City Project. Several cities are being developed as smart cities, including Dubai, Abu Dhabi, Cape Town, Lagos, Nairobi, Bezeq, and others.

5G Deployments Will Drive Edge Data Center Investments

- The Middle East & African countries are working toward adopting digital transformation to attract foreign investments. 5G network deployment fuels the digital transformation, IoT, smart cities, and the fourth industrial revolution. Some telecom operators in the Middle East & Africa have deployed 5G network services, and some are in 5G trials. The Middle East & African countries such as the UAE, Saudi Arabia, Oman, Kuwait, Bahrain, Qatar, and South Africa commercially deployed 5G network services.
- Turkey, Israel, Jordan, Lebanon, Iran, Nigeria, Kenya, Angola, and Uganda are other the Middle East & African countries in 5G planning and are yet to deploy commercial services during the forecast period. Rapid investments in 5G technology and their deployment will increase the number of connected devices, leading to the generation of a substantial quantity of data, thereby increasing investments in edge data centers in the Middle East and Africa data center colocation market.

#### **SEGMENTATION ANALYSIS**

- The colocation services segment in the Middle East and Africa data center colocation market is dominated by retail colocation with a market share of 67%. It is expected to grow with a CAGR of 10.99%; it is supported by construction from several local and global colocation operators. Although the presence of cloud service providers is steadily growing, that is expected to boost the wholesale colocation in the region. Some countries in the market are witnessing growth in demand from cloud service providers. Hence, the wholesale colocation space is expected to grow at a higher CAGR during the forecast period.
- Most centers operating in the Middle East and Africa data center colocation market are adopting N+N redundant infrastructure, while most centers are designing facilities with space for installing up to 2N redundant UPS systems to cope with diverse feed designs of the facility and frequent power outages. In most Tier III facilities, UPS systems are adopted as N+1 redundant systems, while other facilities have installations of N+N UPS systems.
- Edge facility deployment will include single-phase lithium-ion UPS and monitored and switched PDUs. Therefore, emerging edge

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facilities will majorly boost the Middle East and Africa data center colocation market growth.

#### Segmentation by Colocation Service

- -□Retail Colocation
- -□Wholesale Colocation

#### Segmentation by Infrastructure

- Electrical Infrastructure
- -□Mechanical Infrastructure
- -□General Construction

#### Segmentation by Electrical Infrastructure

- -□UPS Systems
- -□Generators
- Transfer Switches & Switchgear
- -□Power Distribution Units
- -□Other Electrical Infrastructure

## Segmentation by Mechanical Infrastructure

- -□Cooling Systems
- -□Racks
- -□Other Mechanical Infrastructure

## Segmentation by Cooling Systems

- -□CRAC & CRAH Units
- -□Chiller Units
- -□Cooling Towers, Condensers & Dry Coolers
- -□Economizers & Evaporative Coolers
- Other Cooling Units

### Segmentation by Cooling Technique

- -□Air-based Cooling Technique
- -∏Liquid-Based Cooling Technique

#### Segmentation by General Construction

- -□Core & Shell Development
- Installation & Commissioning Services
- Engineering & Building Design
- - $\square$ Fire Detection & Suppression
- -□Physical Security
- -□DCIM/BMS

## Segmentation by Tier Standard

- -∏Tier II
- -□Tier III
- -□Tier IV

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#### **REGIONAL ANALYSIS**

- The Middle East and Africa data center colocation market attracted investments from cloud service providers such as Google, Amazon Web Services, Microsoft, Oracle, and Tencent across the Middle East. Major cloud service providers are expanding their presence in the region during the forecast period, which drives the demand for wholesale colocation services in the region.

- Regarding investment, Abu Dhabi is the preferred location, with major investments from colocation, enterprise, and government entities. In 2021, Dubai witnessed investments from colocation service providers such as Equinix, Moro Hub, and Gulf Data Hub.

- The Kingdom of Saudi Arabia has implemented its Vision 2030 economic strategy to boost the technology sector. It plans to use 5G to support 45 million IoT devices, generating a market worth USD 12 billion. In Saudi Arabia, some significant drivers that complement the Middle East and Africa data center colocation market are cloud adoption, smart city developments, 5G network deployments, digitalization, and submarine cable connectivity investments.

#### Segmentation by Region

o∏UAE

o∏Saudi Arabia

o∏Turkey

o∏Oman

o∏Israel

o∏Bahrain

o∏Kuwait

o
Other Middle Eastern Countries

#### **VENDOR LANDSCAPE**

a) Major operators in the Middle East and Africa data center colocation market include Group 42, Equinix, Teraco Data Environments, Gulf Data Hub, STC, Turkcell, Africa Data centres, IXAfrica, Rack Centre, and others.

b) Vendors are increasing their presence in the Middle East & African countries, which is likely to boost revenue growth, primarily due to the increased construction of large data centers in countries such as UAE, Saudi Arabia, South Africa, and Israel.

c) The Middle East and Africa data center colocation market is expected to witness more mega data center constructions to cope with the expected growth in demand for wholesale colocation by cloud service providers, which will likely add revenue opportunities for infrastructure providers under their respective operating segments.

d) Many operators are also adopting units from different vendors to provide efficient cooling solutions for the facility.

e) Several operators depend on local resellers and skilled local experts for installation, commissioning, and maintenance services. Several infrastructure providers in the market offer specific products or a complete range of infrastructure solutions suitable for

f) In the Middle East & Africa, the construction of data centers is increasing significantly, and greenfield data center development is growing YOY and witnessing a strong contribution from modular data centers in the region.

g) The Middle East and Africa data center colocation markets have global and local construction contractors and engineering and architectural firms. The growth in the market will provide opportunities for local sub-contracts in construction, engineering, and architectural verticals.

**Prominent Support Infrastructure** 

- -□4Energy
- -∏ABB
- -□Airedale International Air Conditioning
- -□Alfa Laval

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- -□Canovate
- -□Caterpillar
- -□Cummins
- -□Delta Electronics
- -□EAE Group
- -□Eaton
- -∏EVAPCO
- -[[Enlogic
- -[]Enrogen
- -□HITEC Power Protection
- -∏ohnson Controls
- -[]Legrand
- Master Power Technologies
- -[Rittal
- -□Rolls-Royce
- -□Schneider Electric
- Shenzhen Envicool Technology
- $\text{-} \square Siemens$
- -[]STULZ
- -□Vertiv

#### **Prominent Construction Contractors**

- Abbeydale Projects
- -□Advanced Vision Morocco
- -□AECOM
- Aldar Properties
- -∏Anel Group
- -∏Arup
- -□ARSMAGNA
- -□Ashi & Bushnag
- -∏Atkins
- -□b2 Architects
- -[CAP DC
- -□Chess Enterprises
- -□Copy Cat Group
- -∏Dar Group
- -□DC Pro Engineering
- -[Deerns
- -□Eastra Solutions
- -∏Edarat
- -□EDS Engineers
- -[Egypro
- -∏EGEC
- ENMAR Engineering
- -□Harinsa Qatar
- -[]HATCO
- -□HHM Building Contracting

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- Hill International
- H&MV Engineering
- -□ICS Nett
- Ingenium Engineers
- -□INT?LTEC Group
- -∏ISG
- -□Interkel
- LB Architects
- -□Laing O?Rourke
- -∏Linesight
- -□M+W Group
- -□Mace
- Mercury Engineering
- MWK Engineering
- $\hbox{-} \underline{\square} McLaren \ Construction$
- -□Orascom Construction
- -□Prota Engineering
- -□QSP
- -□RED
- -□Royal HaskoningDHV
- -□RW Armstrong
- -□Shaker Group
- Sterling & Wilson
- -□Summit Technology Solutions
- $\hbox{-} \underline{\square} Tri\hbox{-} Star\ Construction$
- -∏Turner & Townsend
- -□United Egypt
- -□Westwood Management

#### **Prominent Data Center Investors**

- -∏Africa Data Centres
- -□Bynet Data Communications
- -∏EdgeConneX
- -□Equinix
- -□Etisalat
- -□Future Digital Data Systems (FDDS)
- -∏Group 42
- -□Gulf Data Hub
- -□lcolo.io
- -□IXAfrica
- -□Moro Hub
- -□Meeza
- -□MainOne (MDXi)
- -□NTT Global Data Centers
- -∏Ooredoo
- -□Paratus Namibia
- -□Rack Centre

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- -∏Raxio Data Centres
- -[]Turkcell
- Telecom Egypt
- Teraco Data Environments
- -□Vantage Data Centers
- -□Wingu
- -∏Zain

#### **New Entrant**

- -[Infinity
- -□Open Access Data Centres (OADC)

#### **KEY QUESTIONS ANSWERED**

- 1. How big is the Middle East and Africa data center colocation market?
- 2. What is the expected Middle East and Africa data center colocation market size by 2027?
- 3. What is the growth rate of the Middle East and Africa data center colocation market?
- 4. What factors drive the Middle East and Africa data center colocation market?
- 5. Who are prominent data center investors in the Middle East and Africa data center colocation market?

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44 APPENDIX

44.1 ABBREVIATIONS



# Middle East and Africa Data Center Colocation Market - Industry Outlook & Forecast 2022-2027

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