

Middle East and North Africa (MENA) Data Center Market - Industry Outlook & Forecast 2021-2026

<https://marketpublishers.com/r/M2AEF7DDF8B4EN.html>

Date: May 2021

Pages: 330

Price: US\$ 3,750.00 (Single User License)

ID: M2AEF7DDF8B4EN

Abstracts

In-depth Analysis and Data-driven Insights on the Impact of COVID-19 Included in this Middle East and North Africa Data Center Market Report

The Middle East and North Africa data center market by investment is expected to grow at a CAGR of 8% during the period 2020–2026.

The increased commercial 5G network deployment has led to the increased demand for high bandwidth internet in several Middle Eastern Tier II and Tier III cities. Edge data centers will create a decentralized data center model, where hyperscale facilities will connect multiple edge data centers. Saudi Arabia has been a leader in expanding its 5G networks, where telecom companies Zain, Saudi Telcom Company, and MOBILY are significant contributors to the market. Zain provides 5G access across 44 cities, followed by Saudi Telecom Company in 22 cities, and MOBILY in 21 cities. TAWAL, a Saudi ICT infrastructure company, has partnered with Nokia to provide turnkey services to expand and deploy 5G for TAWAL's infrastructure in Saudi Arabia. Nokia's 5G technology will be added in over 670 4G sites operated by TAWAL across Saudi Arabia. Nokia will also replace existing towers with newer ones in 2021. In January 2021, Zain deployed Phase II of its 5G deployment in Saudi Arabia in collaboration with Infovista, a network infrastructure company, and its radio planning portfolio. In the UAE, du, a major telecom operator, has partnered with Ericsson to transform its RAN 5G network using Ericsson's Radio System portfolio. Also, Etisalat deployed 5G Fixed Network in homes in the UAE in September 2020. Hence, these deployments will continue to drive innovations in the data center power space, with increased modular infrastructure offerings. In North Africa, governments and telecom operators are working toward deploying 5G in the next few years. Huawei is collaborating with telecommunications companies such as Maroc Telecom, Orange, and Inwi, to roll out 5G network services in

Morocco.

The following factors are likely to contribute to the growth of the Middle East and North Africa data center market during the forecast period:

Smart City Initiative fueling Data Center Deployments

Impact of COVID-19 on Data Center Market

Big Data, IoT & Cloud Driving Data Center Investment

Development of Modular Data Centers

The study considers the present scenario of the Middle East and North Africa data center market and its market dynamics for the period 2020-2026. It covers a detailed overview of several market growth enablers, restraints, and trends. The report offers both the demand and supply aspects of the market. It profiles and examines leading companies and other prominent ones operating in the market.

MENA Data Center Market Segmentation

The MENA data center market research report includes a detailed segmentation by IT infrastructure, electrical infrastructure, mechanical infrastructure, cooling systems, cooling technique, general construction, tier standards, geography. The Middle East and North Africa (MENA) server market are witnessing growth due to the growth in data traffic. The demand for ODM servers is increasing in the market. Data center operators are adopting the IT infrastructure to match high-end data processing requirements. The server market is slowly shifting to blade servers to support a high-density operating environment due to the increased usage of IoT, big data analytics, artificial intelligence, and machine learning by enterprises in the region.

UPS systems are being widely adopted to provide backup power for cooling systems installed in the facility. The adoption of lithium-ion batteries is likely to increase during the forecast period as their price will decline. In the UAE, the market is observing the adoption of N+1 redundant UPS systems. Data center operators will increasingly use renewable energy to power facilities. Most facilities are equipped with up to 500 kVA UPS systems powered mostly by VRLA batteries with N+1 redundant configuration in Turkey. The market will witness the adoption of diesel generators and transfer switches

& switchgear with minimum N+N redundancy across data centers. It is expected that the demand for monitored and metered PDUs will grow during the forecast period due to the need to reduce OPEX across data centers. In Morocco, facilities have adopted power generators (equipped with on-site fuel reserve), dedicated transformer stations, modular inverters, and modular distribution boards.

The MENA data center market by mechanical infrastructure is expected to reach over USD 200 million by 2026. The adoption of cooling units highly depends on the IT load, rack density, and cooling systems design. Cooling systems and IT infrastructure are the predominant power consumers in data centers. Operators have adopted several innovations such as energy-efficient cooling infrastructure solutions to increase operational efficiency, reduce power consumption, and decrease carbon emissions. In terms of cooling systems, the use of free cooling techniques has grown significantly over the past few years across a few regions with favorable climatic conditions that can utilize evaporative/adiabatic coolers for cooling purposes. However, most facility developments in regions with tropical climatic conditions continue to use chilled water-based and air-cooled systems along with chiller units, cooling towers, dry coolers, condensers, and CRAC/CRAH units.

Most data centers in the region are designed to cool servers through water-based cooling techniques. The growing data center construction is a factor for adopting multiple chillers, cooling towers, and CRAH units. In Saudi Arabia, newly constructed facilities are likely to use advanced air-based cooling techniques because of the high temperature and less chance of availability of free cooling solutions. However, data centers that are built as part of commercial deployment include air-based cooling systems. The facilities in Turkey are adopting CRAC & CRAH units and chiller units. In terms of redundancy, most operators use N+1 and N+2 cooling redundancy for Tier III facilities. In addition, operators are likely to deploy dual-water feeds for efficient and uninterruptable operations.

Several global construction contractors offer their services in the MENA. Brownfield development is more cost-effective than greenfield development since the building is already built and only the installation needs to be done. Many facilities offer 24X7 onsite support, which includes security, maintenance, and smart hands teams. In addition, data centers are equipped with disaster recovery systems. Smaller facilities mainly dominate the Middle East and North Africa data center market with a power capacity of less than 15 MW. In the Middle East & North Africa, most facilities are operated by telecommunication operators. Therefore, various sensors, and video cameras are installed for surveillance in the data center to secure the data. The market for physical

security products has witnessed significant growth in recent years.

Tier I and Tier II data centers have reduced significantly over the past five years because of the increased awareness of redundant infrastructure in the MENA region. A majority of under-developed projects across the Middle Eastern & North Africa region fall under the Tier III category. Most data centers in the UAE are certified as Tier III facilities. In Turkey, modern data centers are developed according to Tier III standards, with a minimum of N+1 redundancy in power infrastructure. A few facilities operate 2N power infrastructure or have provisioned additional capacity to commission 2N infrastructure solutions based on the customer's demand. Tier IV facilities are mainly built by hyperscale developers such as Facebook, Apple, Microsoft, and Google and major colocation providers worldwide. KKB Kredi Kayit Burosusu A.S.'s KKB Anadolu Veri Merkezi data center is designed as per Tier IV standards.

By IT Infrastructure

Servers

Storage

Network

By Electrical Infrastructure

UPS Systems

Generators

Transfer Switches and Switchgears

PDU's

Other Electrical Infrastructures

By Mechanical Infrastructure

Cooling Systems

CRAC & CRAH Units

Chiller Units

Cooling Towers, Dry Coolers, & Condensers

Other Cooling Units

Racks

Others Mechanical Infrastructure

By Cooling Technique

Air-based Cooling Technique

Liquid-based Cooling Technique

By General Construction

Core and Shell Development

Installation and Commissioning Services

Engineering and Building Designs

Physical Security

DCIM/BMS

By Tier Standards

Tier I & II

Tier III

Tier IV

INSIGHTS BY GEOGRAPHY

The UAE and Turkey account for the largest revenue contribution to the MENA data center market share. The adoption of cloud-based services leads to the growth of retail and wholesale colocation services in the region. The market is witnessing an increase in the demand for colocation spaces across existing and upcoming data centers. The rapid investment in 5G technology and its deployment leads to the generation of a substantial amount of data, further increasing investments in the facilities. The UAE is one of the growing markets for renewable energy products. The UAE works toward the installation of 42 GW of renewable energy in the country by 2050. Dubai aims to commission a five-part renewable energy project and is currently setting up an 800 MW solar park in the country. All these factors are likely to increase the demand for data center services in the country. Turkey is one of the emerging data center market, wherein increasing digitization has become a significant driver for data center investment over the last few years. Most investments come from the telecommunications sector due to increasing smartphone users in the country. The market is evolving, and investments are expected to pick up during the forecast period, with contributions from local and global data center providers. Government initiatives, cloud services, and submarine cables will be the prominent drivers for investments in Turkey.

By Geography

Middle East & Africa

UAE

Saudi Arabia

Turkey

Jordan

Morocco

Egypt

Other Middle East and North African Countries

INSIGHTS BY VENDORS

The Middle East and North Africa data center market consists of a host of IT, electrical, & mechanical infrastructure providers and general contractors. The market is witnessing a massive increase in data usage by consumers using services offered by companies in the e-commerce, social media, and entertainment industries. Digital services provided by the BFSI and government sectors are also critical enablers for data growth in the market. In terms of electrical infrastructure, the data center market in the Middle East & North Africa witnessed increasing competition amongst the power infrastructure providers. Data center operators are looking to procure energy-efficient power infrastructure solutions. Over the next few years, operators will consider adopting lithium-ion batteries, fuel cell technology, and intelligent PDUs to improve the facility's efficiency.

Key Data Center Critical (IT) Infrastructure Providers

Arista Networks

Atos

Broadcom

Cisco Systems

Dell Technologies

Hewlett Packard Enterprise (HPE)

Huawei Technologies

Juniper Networks

IBM

Lenovo

NetApp

Key Data Center Support Infrastructure Providers

ABB

Caterpillar

Cummins

Eaton

Envicool

Legrand

Rittal

Rolls-Royce Power Systems

Schneider Electric

STULZ

Vertiv Group

Key Data Center Investors

Amazon Web Services (AWS)

Akbank

Batelco

Etisalat Group

Equinix

Gulf Data Hub

Dubai Electricity & Water Authority (DEWA)

N+ONE

Orange

Raya Data Center

Turkcell

Telecom Italia Sparkle

Khazna

Zain

Key Construction Constructors

Arup Group

Atkins

Deerns

ENMAR ENGINEERING

Edarat Group

ISG

RED Engineering

Harinsa Qatar (HQ)

Turner & Townsend

McLaren Construction Group

LAING O'ROURKE

ICS Nett

Linesight

Qatar Site and Power (QSP)

KEY QUESTIONS ANSWERED:

1. How big is the Middle East and North Africa (MENA) data center market?
2. What is the impact of COVID-19 on the MENA data center market?
3. What are the trends and drivers enabling the data center market growth?
4. What is the growth rate of the MENA data center market?
5. Who are the key data center investors in the market?

Contents

1 RESEARCH METHODOLOGY

2 RESEARCH OBJECTIVES

3 RESEARCH PROCESS

4 SCOPE & COVERAGE

4.1 Market Definition

4.2 Base Year

4.3 Scope of The Study

4.4 Market Segments

4.4.1 Market Segmentation by Infrastructure

4.4.2 Market Segmentation by IT Infrastructure

4.4.3 Market Segmentation by Electrical Infrastructure

4.4.4 Market Segmentation by Mechanical Infrastructure

4.4.5 Market Segmentation by Cooling Systems

4.4.6 Market Segmentation by Cooling Techniques

4.4.7 Market Segmentation by General Construction

4.4.8 Market Segmentation by Tier Standards

4.4.9 Market Segmentation By Geography

5 REPORT ASSUMPTIONS & CAVEATS

5.1 Key Caveats

5.2 Currency Conversion

5.3 Market Derivation

6 MARKET AT A GLANCE

7 INTRODUCTION

7.1 Internet & Data Growth

7.2 Number of Upcoming Projects

8 MARKET OPPORTUNITIES & TRENDS

- 8.1 5G To Grow Edge Data Center Investments
- 8.2 Growing Procurement Of Renewable Energy
- 8.3 Submarine Cable Deployment & Impact On Data Center Investment
- 8.4 Smart City Initiatives Fueling Data Center Deployments
- 8.5 Rising Adoption Of All-Flash Storage Solutions

9 MARKET GROWTH ENABLERS

- 9.1 Impact Of COVID-19 On the Data Center Market
- 9.2 Rise in Data Center Investments
- 9.3 Big Data, IOT, And Cloud Driving Data Center Investments
- 9.4 Migration From On-Premises Infrastructure To Colocation & Managed Services
- 9.5 Modular Data Center Development

10 MARKET RESTRAINTS

- 10.1 Location Constraints for Building Data Center
- 10.2 Lack Of Skilled Workforce
- 10.3 Security Breaches Hindering Data Center Investments

11 MARKET LANDSCAPE

- 11.1 Market Overview
- 11.2 Investment: Market Size & Forecast
- 11.3 Area: Market Size & Forecast
- 11.4 Power Capacity: Market Size & Forecast
- 11.5 Five Forces Analysis
 - 11.5.1 Threat of New Entrants
 - 11.5.2 Bargaining Power of Suppliers
 - 11.5.3 Bargaining Power of Buyers
 - 11.5.4 Threat of Substitutes
 - 11.5.5 Competitive Rivalry

12 INFRASTRUCTURE

- 12.1 Market Snapshot & Growth Engine
- 12.2 IT Infrastructure
 - 12.2.1 Market Overview
 - 12.2.2 Market Size & Forecast

- 12.3 Electrical Infrastructure
 - 12.3.1 Market Overview
 - 12.3.2 Market Size & Forecast
- 12.4 Mechanical Infrastructure
 - 12.4.1 Market Overview
 - 12.4.2 Market Size & Forecast
- 12.5 General Construction
 - 12.5.1 Market Overview
 - 12.5.2 Market Size & Forecast

13 IT INFRASTRUCTURE

- 13.1 Market Snapshot & Growth Engine
- 13.2 Server Infrastructure
 - 13.2.1 Market Overview
 - 13.2.2 Market Size & Forecast
- 13.3 Storage Infrastructure
 - 13.3.1 Market Overview
 - 13.3.2 Market Size & Forecast
- 13.4 Network Infrastructure
 - 13.4.1 Market Overview
 - 13.4.2 Market Size & Forecast

14 ELECTRICAL INFRASTRUCTURE

- 14.1 Market Snapshot & Growth Engine
- 14.2 UPS Systems
 - 14.2.1 Market Overview
 - 14.2.2 Market Size & Forecast
- 14.3 GENERATORS
 - 14.3.1 Market Overview
 - 14.3.2 Market Size & Forecast
- 14.4 Transfer Switches & Switchgear
 - 14.4.1 Market Overview
 - 14.4.2 Market Size & Forecast
- 14.5 Power Distribution Units
 - 14.5.1 Market Overview
 - 14.5.2 Market Size & Forecast
- 14.6 Other Electrical Infrastructure

- 14.6.1 Market Overview
- 14.6.2 Market Size & Forecast

15 MECHANICAL INFRASTRUCTURE

- 15.1 Market Snapshot & Growth Engine
- 15.2 Cooling Systems
 - 15.2.1 Market Overview
 - 15.2.2 Market Size & Forecast
- 15.3 Racks
 - 15.3.1 market overview
 - 15.3.2 market size & forecast
- 15.4 other mechanical infrastructure
 - 15.4.1 Market Overview
 - 15.4.2 Market Size & Forecast

16 COOLING SYSTEMS

- 16.1 Market Snapshot & Growth Engine
- 16.2 CRAC & CRAH Units
 - 16.2.1 Market Overview
 - 16.2.2 Market Size & Forecast
- 16.3 Chiller Units
 - 16.3.1 Market Overview
 - 16.3.2 Market Size & Forecast
- 16.4 Cooling Towers, Condensers & Dry Coolers
 - 16.4.1 Market Overview
 - 16.4.2 Market Size & Forecast
- 16.5 Other Cooling Units
 - 16.5.1 Market Overview
 - 16.5.2 Market Size & Forecast

17 COOLING TECHNIQUE

- 17.1 Market Snapshot & Growth Engine
- 17.2 Air-Based Cooling Techniques
 - 17.2.1 Market Overview
 - 17.2.2 Market Size & Forecast
- 17.3 Liquid-Based Cooling Techniques

- 17.3.1 Market Overview
- 17.3.2 Market Size & Forecast

18 GENERAL CONSTRUCTION

- 18.1 Market Snapshot & Growth Engine
- 18.2 Core & Shell Development
 - 18.2.1 Market Overview
 - 18.2.2 Market Size & Forecast
- 18.3 Installation & Commissioning Services
 - 18.3.1 Market Overview
 - 18.3.2 Market Size & Forecast
- 18.4 Building & Engineering Design
 - 18.4.1 Market Overview
 - 18.4.2 Market Size & Forecast
- 18.5 Physical Security
 - 18.5.1 Market Overview
 - 18.5.2 Market Size & Forecast
- 18.6 DCIM/BMS Solutions
 - 18.6.1 Market Overview
 - 18.6.2 Market Size & Forecast

19 TIER STANDARDS

- 19.1 Market Snapshot & Growth Engine
- 19.2 Market Overview
- 19.3 TIER I & II
 - 19.3.1 Market Overview
 - 19.3.2 Market Size & Forecast
- 19.4 TIER III
 - 19.4.1 Market Overview
 - 19.4.2 Market Size & Forecast
- 19.5 TIER IV
 - 19.5.1 Market Overview
 - 19.5.2 Market Size & Forecast

20 GEOGRAPHY

- 20.1 Market Snapshot & Growth Engine

- 20.2 Area Snapshot & Growth Engine
- 20.3 Power Capacity Snapshot & Growth Engine

21 UNITED ARAB EMIRATES

- 21.1 Market Snapshot & Growth Engine
 - 21.1.1 Market Overview
- 21.2 Investment: Market Size & Forecast
- 21.3 Area: Market Size & Forecast
- 21.4 Power Capacity: Market Size & Forecast
- 21.5 Support Infrastructure: Market Size & Forecast

22 SAUDI ARABIA

- 22.1 Market Snapshot & Growth Engine
 - 22.1.1 Market Overview
- 22.2 Investment: Market Size & Forecast
- 22.3 Area: Market Size & Forecast
- 22.4 Power Capacity: Market Size & Forecast
- 22.5 Support Infrastructure: Market Size & Forecast

23 TURKEY

- 23.1 Market Snapshot & Growth Engine
 - 23.1.1 Market Overview
- 23.2 Investment: Market Size & Forecast
- 23.3 Area: Market Size & Forecast
- 23.4 Power Capacity: Market Size & Forecast
- 23.5 Support Infrastructure: Market Size & Forecast

24 JORDAN

- 24.1 Market Snapshot & Growth Engine
 - 24.1.1 Market Overview
- 24.2 Investment: Market Size & Forecast
- 24.3 Area: Market Size & Forecast
- 24.4 Power Capacity: Market Size & Forecast
- 24.5 Support Infrastructure: Market Size & Forecast

25 OTHER MIDDLE EASTERN COUNTRIES

25.1 Market Snapshot & Growth Engine

25.1.1 Market Overview

25.2 Investment: Market Size & Forecast

25.3 Area: Market Size & Forecast

25.4 Power Capacity: Market Size & Forecast

25.5 Support Infrastructure: Market Size & Forecast

26 MOROCCO

26.1 Market Snapshot & Growth Engine

26.1.1 Market Overview

26.2 Investment: Market Size & Forecast

26.3 Area: Market Size & Forecast

26.4 Power Capacity: Market Size & Forecast

26.5 Support Infrastructure: Market Size & Forecast

27 EGYPT

27.1 Market Snapshot & Growth Engine

27.1.1 Market Overview

27.2 Investment: Market Size & Forecast

27.3 Area: Market Size & Forecast

27.4 Power Capacity: Market Size & Forecast

27.5 Support Infrastructure: Market Size & Forecast

28 OTHER AFRICAN COUNTRIES

28.1 Market Snapshot & Growth Engine

28.1.1 Market Overview

28.2 Investment: Market Size & Forecast

28.3 Area: Market Size & Forecast

28.4 Power Capacity: Market Size & Forecast

28.5 Support Infrastructure: Market Size & Forecast

29 COMPETITIVE LANDSCAPE

29.1 IT Infrastructure

- 29.1.1 Server Infrastructure
- 29.1.2 Storage Infrastructure
- 29.1.3 Network Infrastructure
- 29.2 Electrical Infrastructure
- 29.3 Mechanical Infrastructure
- 29.4 General Construction

30 PROMINENT IT INFRASTRUCTURE VENDORS

- 30.1 Arista Networks
 - 30.1.1 Business Overview
 - 30.1.2 Product Offerings
- 30.2 Atos
 - 30.2.1 Business Overview
 - 30.2.2 Product Offerings
 - 30.2.3 Key News
- 30.3 Broadcom
 - 30.3.1 Business Overview
 - 30.3.2 Product Offerings
 - 30.3.3 Key News
- 30.4 Cisco Systems
 - 30.4.1 Business Overview
 - 30.4.2 Product Offerings
- 30.5 Dell Technologies
 - 30.5.1 Business Overview
 - 30.5.2 Product Offerings
- 30.6 Hewlett Packard Enterprise
 - 30.6.1 Business Overview
 - 30.6.2 Product Offerings
- 30.7 Huawei
 - 30.7.1 Business Overview
 - 30.7.2 Product Offerings
 - 30.7.3 Key News
- 30.8 Juniper Networks
 - 30.8.1 Business Overview
 - 30.8.2 Product Offerings
 - 30.8.3 Key News
- 30.9 International Business Machines Corp. (IBM)
 - 30.9.1 Business Overview

- 30.9.2 Product Offerings
- 30.10 Lenovo
 - 30.10.1 Business Overview
 - 30.10.2 Product Offerings
- 30.11 Netapp
 - 30.11.1 Business Overview
 - 30.11.2 Product Offerings
 - 30.11.3 Key News

31 PROMINENT DATA CENTER SUPPORT INFRASTRUCTURE PROVIDERS

- 31.1 ABB
 - 31.1.1 Business Overview
 - 31.1.2 Product Offerings
- 31.2 Caterpillar
 - 31.2.1 Business Overview
 - 31.2.2 Product Offerings
- 31.3 Cummins
 - 31.3.1 Business Overview
 - 31.3.2 Product Offerings
- 31.4 Eaton
 - 31.4.1 Business Overview
 - 31.4.2 Product Offerings
 - 31.4.3 Key News
- 31.5 Envicool
 - 31.5.1 Business Overview
 - 31.5.2 Product Offerings
- 31.6 Legrand
 - 31.6.1 Business Overview
 - 31.6.2 Product Offerings
- 31.7 Rittal
 - 31.7.1 Business Overview
 - 31.7.2 Product Offerings
 - 31.7.3 Key News
- 31.8 Rolls-Royce Power Systems
 - 31.8.1 Business Overview
 - 31.8.2 Product Offerings
- 31.9 Schneider Electric
 - 31.9.1 Business Overview

- 31.9.2 Product Offerings
- 31.9.3 Key News
- 31.10 Stulz
 - 31.10.1 Business overview
 - 31.10.2 Product Offerings
- 31.11 Vertiv Group
 - 31.11.1 Business Overview
 - 31.11.2 Product Offerings

32 PROMINENT CONSTRUCTION CONTRACTORS

- 32.1 Arup Group
 - 32.1.1 Business Overview
 - 32.1.2 Service Offerings
- 32.2 Atkins
 - 32.2.1 Business Overview
 - 32.2.2 Service Offerings
- 32.3 Deerns
 - 32.3.1 Business Overview
 - 32.3.2 Service Offerings
- 32.4 Enmar Engineering
 - 32.4.1 Business Overview
 - 32.4.2 Service Offerings
- 32.5 Edarat Group
 - 32.5.1 Business Overview
 - 32.5.2 Service Offerings
- 32.6 ISG
 - 32.6.1 Business Overview
 - 32.6.2 Service Offerings
- 32.7 Red Engineering
 - 32.7.1 Business Overview
 - 32.7.2 Service Offerings
- 32.8 Harinsa Qatar
 - 32.8.1 Business Overview
 - 32.8.2 Service Offerings
- 32.9 Turner & Townsend
 - 32.9.1 Business Overview
 - 32.9.2 Service Offerings
- 32.10 McLaren Construction Group

- 32.10.1 Business Overview
- 32.10.2 Service Offerings
- 32.11 Laing O’rourke
 - 32.11.1 Business Overview
 - 32.11.2 Service Offerings
- 32.12 ICS Nett
 - 32.12.1 Business Overview
 - 32.12.2 Service Offerings
- 32.13 Linesight
 - 32.13.1 Business Overview
 - 32.13.2 Service Offerings
- 32.14 Qatar Site And Power
 - 32.14.1 Business Overview
 - 32.14.2 Service Offerings

33 PROMINENT DATA CENTER INVESTORS

- 33.1 Amazon Web Services (AWS)
 - 33.1.1 Business Overview
 - 33.1.2 Service Offerings
 - 33.1.3 Key News
- 33.2 Akbank
 - 33.2.1 Business Overview
 - 33.2.2 Service Offerings
- 33.3 Batelco
 - 33.3.1 Business Overview
 - 33.3.2 Service Offerings
 - 33.3.3 Key News
- 33.4 ETISALAT
 - 33.4.1 Business Overview
 - 33.4.2 Service Offerings
 - 33.4.3 Key News
- 33.5 Equinix
 - 33.5.1 Business Overview
 - 33.5.2 Service Offerings
 - 33.5.3 Key News
- 33.6 Gulf Data Hub
 - 33.6.1 Business Overview
 - 33.6.2 Service Offerings

- 33.6.3 Key News
- 33.7 Dubai Electricity & Water Authority (DEWA)
 - 33.7.1 Business Overview
 - 33.7.2 Product Offerings
 - 33.7.3 Key News
- 33.8 N+ONE
 - 33.8.1 Business Overview
 - 33.8.2 Service Offerings
- 33.9 Orange
 - 33.9.1 Business Overview
 - 33.9.2 Service Offerings
- 33.10 Raya Data Center
 - 33.10.1 Business Overview
 - 33.10.2 Service Offerings
- 33.11 Turkcell
 - 33.11.1 Business Overview
 - 33.11.2 Service Offerings
- 33.12 Telecom Italia Sparkle
 - 33.12.1 Business Overview
 - 33.12.2 Service Offerings
- 33.13 Khazna
 - 33.13.1 Business Overview
 - 33.13.2 Service Offerings
 - 33.13.3 Key News
- 33.14 Zain
 - 33.14.1 Business Overview
 - 33.14.2 Service Offerings
 - 33.14.3 Key News

34 REPORT SUMMARY

- 34.1 Key Takeaways

35 QUANTITATIVE SUMMARY

- 35.1 Middle East & North Africa Data Center Market
 - 35.1.1 Investment: Market Size & Forecast
 - 35.1.2 Overall Market (Including IT Infrastructure)
 - 35.1.3 Infrastructure: Market Size & Forecast

35.2 Market Segmentation

- 35.2.1 IT Infrastructure: Market Size & Forecast
- 35.2.2 Electrical Infrastructure: Market Size & Forecast
- 35.2.3 Mechanical Infrastructure: Market Size & Forecast
- 35.2.4 Cooling Systems: Market Size & Forecast
- 35.2.5 Cooling Techniques: Market Size & Forecast
- 35.2.6 General Construction: Market Size & Forecast
- 35.2.7 Tier Standards: Market Size & Forecast

35.3 Geographical Segmentation

- 35.3.1 Investment: Market Size & Forecast
- 35.3.2 Area: Market Size & Forecast
- 35.3.3 Power Capacity: Market Size & Forecast

35.4 UAE

- 35.4.1 Investment: Market Size & Forecast
- 35.4.2 Infrastructure: Market Size & Forecast

35.5 Saudi Arabia

- 35.5.1 Investment: Market Size & Forecast
- 35.5.2 Infrastructure: Market Size & Forecast

35.6 Turkey

- 35.6.1 Investment: Market Size & Forecast
- 35.6.2 Infrastructure: Market Size & Forecast

35.7 Jordan

- 35.7.1 Investment: Market Size & Forecast
- 35.7.2 Infrastructure: Market Size & Forecast

35.8 Other Middle Eastern Countries

- 35.8.1 Investment: Market Size & Forecast
- 35.8.2 Infrastructure: Market Size & Forecast

35.9 Morocco

- 35.9.1 Investment: Market Size & Forecast
- 35.9.2 Infrastructure: Market Size & Forecast

35.10 Egypt

- 35.10.1 Investment: Market Size & Forecast
- 35.10.2 Infrastructure: Market Size & Forecast

35.11 Other African Countries

- 35.11.1 Investment: Market Size & Forecast
- 35.11.2 Infrastructure: Market Size & Forecast

36 APPENDIX

36.1 Abbreviations

List Of Exhibits

LIST OF EXHIBITS

- Exhibit 1 Segmentation of the Middle East & North Africa Market
- Exhibit 2 Market Size Calculation Approach 2020
- Exhibit 3 Impact of 5G to Grow Edge Data Center Investments
- Exhibit 4 Impact of Growing Procurement of Renewable Energy
- Exhibit 5 Impact of Submarine Cable Deployment & Impact on Data Center Investments
- Exhibit 6 Impact of Smart City Initiative Fueling Data Center Deployments
- Exhibit 7 Impact of Rising Adoption of All-Flash Storage Solutions
- Exhibit 8 Impact of COVID-19 on the Data Center Market
- Exhibit 9 Impact of Rise in Data Center Investments
- Exhibit 10 Investment in the Middle East & North Africa market – 2020 (\$ million)
- Exhibit 11 Impact of Big Data, IoT, and Cloud Driving Data Center Investments
- Exhibit 12 Impact of Migration from On-Premises Infrastructure to Colocation & Managed Services
- Exhibit 13 Impact of Modular Data Center Development
- Exhibit 14 Impact of Location Constraints for Building Data Center
- Exhibit 15 Impact of Lack of Skilled Workforce
- Exhibit 16 Impact of Security Breaches Hindering Data Center Investments
- Exhibit 17 The Middle East & North Africa Data Center Market by Investment 2020?2026 (\$ billion)
- Exhibit 18 Middle East & North Africa Data Center Market by Area 2020?2026 (thousand square feet)
- Exhibit 19 Middle East & North Africa Data Center Market by Power Capacity 2020?2026 (MW)
- Exhibit 20 Five Forces Analysis 2020
- Exhibit 21 Incremental Growth by Infrastructure 2020 & 2026
- Exhibit 22 Middle East & North Africa Data Center IT Infrastructure Market 2020?2026 (\$ million)
- Exhibit 23 Middle East & North Africa Data Center Electrical Infrastructure Market 2020?2026 (\$ million)
- Exhibit 24 Middle East & North Africa Data Center Mechanical Infrastructure Market 2020?2026 (\$ million)
- Exhibit 25 Middle East & North Africa Data Center General Infrastructure Market 2020?2026 (\$ million)
- Exhibit 26 Incremental Growth by IT Infrastructure 2020 & 2026
- Exhibit 27 IT Infrastructure in Data Centers

- Exhibit 28 Middle East & North Africa Data Center Server Market 2020?2026 (\$ million)
- Exhibit 29 Middle East & North Africa Data Center Storage Market 2020?2026 (\$ million)
- Exhibit 30 Middle East & North Africa Data Center Network Market 2020?2026 (\$ million)
- Exhibit 31 Incremental Growth by Electrical Infrastructure 2020 & 2026 (\$ million)
- Exhibit 32 Middle East & North Africa Data Center UPS Systems Market 2020?2026 (\$ million)
- Exhibit 33 Middle East & North Africa Data Center Generators Market 2020?2026 (\$ million)
- Exhibit 34 Middle East & North Africa Data Center Transfer Switches & Switchgear Market 2020?2026 (\$ million)
- Exhibit 35 Middle East & North Africa Data Center PDU Market 2020?2026 (\$ million)
- Exhibit 36 Middle East & North Africa Data Center Other Electrical Infrastructure Market 2020?2026 (\$ million)
- Exhibit 37 Incremental Growth by Mechanical Infrastructure 2020 & 2026
- Exhibit 38 Mechanical Infrastructure for Data Centers
- Exhibit 39 Middle East & North Africa Data Center Cooling Systems Market 2020?2026 (\$ million)
- Exhibit 40 Middle East & North Africa Data Center Rack Market 2020?2026 (\$ million)
- Exhibit 41 Middle East & North Africa Data Center Other Mechanical Infrastructure Market 2020?2026 (\$ million)
- Exhibit 42 Incremental Growth by Cooling Systems Infrastructure 2020 & 2026 (\$ million)
- Exhibit 43 Middle East & North Africa Data Center CRAC & CRAH Units Market 2020?2026 (\$ million)
- Exhibit 44 Middle East & North Africa Data Center Chiller Units Market 2020?2026 (\$ million)
- Exhibit 45 Middle East & North Africa Data Center Cooling Towers, Condensers & Dry Coolers Market 2020?2026 (\$ million)
- Exhibit 46 Middle East & North Africa Data Center Other Cooling Units Market 2020?2026 (\$ million)
- Exhibit 47 Incremental Growth by Cooling Technique 2020 & 2026 (\$ million)
- Exhibit 48 Middle East & North Africa Data Center Air-Based Cooling Market 2020?2026 (\$ million)
- Exhibit 49 Middle East & North Africa Data Center Liquid-Based Cooling Market 2020?2026 (\$ million)
- Exhibit 50 Incremental Growth by General Construction 2020 & 2026
- Exhibit 51 Middle East & North Africa Data Center Core & Shell Development Market

2020?2026 (\$ million)

Exhibit 52 Middle East & North Africa Data Center Installation & Commissioning Market

2020?2026 (\$ million)

Exhibit 53 Middle East & North Africa Data Center Building & Engineering Design

Market 2020?2026 (\$ million)

Exhibit 54 Middle East & North Africa Data Center Physical Security Market 2020?2026 (\$ million)

Exhibit 55 Middle East & North Africa Data Center DCIM/BMS Solutions Market

2020?2026 (\$ million)

Exhibit 56 Incremental Growth by Tier Standards 2020 & 2026 (\$ million)

Exhibit 57 Tier Standards

Exhibit 58 Middle East & North Africa Tier I & Tier II Data Center Market 2020?2026 (\$ million)

Exhibit 59 Middle East & North Africa Tier III Data Center Market 2020?2026 (\$ million)

Exhibit 60 Middle East & North Africa Tier IV Data Center Market 2020?2026 (\$ million)

Exhibit 61 Incremental Growth by Geography 2020 & 2026

Exhibit 62 Incremental Growth by Area 2020 & 2026

Exhibit 63 Incremental Growth by Power Capacity 2020 & 2026

Exhibit 64 UAE Data Center Market 2020?2026 (\$ million)

Exhibit 65 UAE Data Center Market by Area 2020?2026 (Thousand Square Feet)

Exhibit 66 UAE Data Center Market by Power Capacity 2020?2026 (MW)

Exhibit 67 UAE Data Center Infrastructure Market 2020?2026 (\$ million)

Exhibit 68 Saudi Arabia Data Center Market 2020?2026 (\$ million)

Exhibit 69 Saudi Arabia Data Center Market by Area 2020?2026 (Thousand Square Feet)

Exhibit 70 Saudi Arabia Data Center Market by Power Capacity 2020?2026 (MW)

Exhibit 71 Saudi Arabia Data Center Infrastructure Market 2020?2026 (\$ million)

Exhibit 72 Turkey Data Center Market 2020–2026 (\$ million)

Exhibit 73 Turkey Data Center Market by Area 2020–2026 (Thousand Square Feet)

Exhibit 74 Turkey Data Center Market by Power Capacity 2020?2026 (MW)

Exhibit 75 Turkey Data Center Infrastructure Market 2020?2026 (\$ million)

Exhibit 76 Jordan Data Center Market 2020?2026 (\$ million)

Exhibit 77 Jordan Data Center Market by Area 2020?2026 (Thousand Square Feet)

Exhibit 78 Jordan Data Center Market by Power Capacity 2020?2026 (MW)

Exhibit 79 Jordan Data Center Infrastructure Market 2020?2026 (\$ million)

Exhibit 80 Other Middle Eastern Countries Data Center Market 2020?2026 (\$ million)

Exhibit 81 Other Middle Eastern Countries Data Center Market by Area 2020?2026 (Thousand Square Feet)

Exhibit 82 Other Middle Eastern Countries Data Center Market by Power Capacity

2020?2026 (MW)

Exhibit 83 Other Middle Eastern Countries Data Center Infrastructure Market

2020?2026 (\$ million)

Exhibit 84 Morocco Data Center Market 2020?2026 (\$ million)

Exhibit 85 Morocco Data Center Market by Area 2020–2026 (thousand square feet)

Exhibit 86 Morocco Data Center Market by Power Capacity 2020–2026 (MW)

Exhibit 87 Morocco Data Center Infrastructure Market 2020–2026 (\$ million)

Exhibit 88 Egypt Data Center Market by Investment 2020–2026 (\$ million)

Exhibit 89 Egypt Data Center Market by Area 2020–2026 (thousand square feet)

Exhibit 90 Egypt Data Center Market by Power Capacity 2020–2026 (MW)

Exhibit 91 Egypt Data Center Infrastructure Market 2020–2026 (\$ million)

Exhibit 92 Other African Countries Data Center Market by Investment 2020?2026 (\$ million)

Exhibit 93 Other African Countries Data Center Market by Area 2020?2026 (Thousand Square Feet)

Exhibit 94 Other African Countries Data Center Market by Power Capacity 2020?2026 (MW)

Exhibit 95 Other African Countries Data Center Infrastructure Market 2020?2026 (\$ million)

List Of Tables

LIST OF TABLES

Table 1 Key Caveats

Table 2 Currency Conversion 2013?2020

Table 3 List of upcoming projects in the Middle East & North Africa

Table 4 Impact of COVID-19 on the Middle East & North Africa Data Center Market in 2020

Table 5 Snapshot ? Data Center Market in the UAE 2020 & 2026

Table 6 Snapshot ? Data Center Market in Saudi Arabia 2020 & 2026

Table 7 Snapshot – Data Center Market in Turkey 2020 & 2026

Table 8 Snapshot ? Data Center Market in Jordan 2020 & 2026

Table 9 Snapshot ? Data Center Market in Other Middle Eastern Countries 2020 & 2026

Table 10 Morocco Data Center Market 2020 & 2026

Table 11 Snapshot ? Data Center Market in Egypt 2020 & 2026

Table 12 Snapshot ? Data Center Market in Other African Countries 2020 & 2026

Table 13 Middle East & North Africa Data Center Market 2020?2026

Table 14 Middle East & North Africa Data Center Market: IT Infrastructure & Support Infrastructure 2020?2026 (\$ million)

Table 15 Middle East & North Africa Data Center Infrastructure Market 2020?2026 (\$ million)

Table 16 Middle East & North Africa Data Center IT Infrastructure Market 2020–2026 (\$ million)

Table 17 Middle East & North Africa Data Center Electrical Infrastructure Market 2020–2026 (\$ million)

Table 18 Middle East & North Africa Data Center Mechanical Infrastructure Market 2020?2026 (\$ million)

Table 19 Middle East & North Africa Data Center Cooling Systems Market 2020?2026 (\$ million)

Table 20 Middle East & North Africa Data Center Cooling Systems

Table 21 Middle East & North Africa Data Center General Construction Market 2020–2026 (\$ million)

Table 22 Middle East & North Africa Data Center Market by Tier Standards 2020–2026 (\$ million)

Table 23 Middle East & North Africa Data Center Market by Geography 2020–2026 (\$ million)

Table 24 Middle East & North Africa Data Center Market by Area 2020–2026 (Thousand Square Feet)

Table 25 Middle East & North Africa Data Center Market by Power Capacity 2020–2026 (MW)

Table 26 UAE Data Center Market 2020–2026

Table 27 UAE Data Center Infrastructure Market 2020–2026 (\$ million)

Table 28 Saudi Arabia Data Center Market 2020–2026

Table 29 Saudi Arabia Data Center Infrastructure Market 2020–2026 (\$ million)

Table 30 Turkey Data Center Market 2020–2026

Table 31 Turkey Data Center Infrastructure Market 2020–2026 (\$ million)

Table 32 Jordan Data Center Market 2020–2026

Table 33 Jordan Data Center Infrastructure Market 2020–2026 (\$ million)

Table 34 Other Middle Eastern Countries Data Center Market 2020–2026

Table 35 Other Middle Eastern Countries Data Center Infrastructure Market 2020–2026 (\$ million)

Table 36 Morocco Data Center Market 2020–2026

Table 37 Morocco Data Center Infrastructure Market 2020–2026 (\$ million)

Table 38 Egypt Data Center Market 2020–2026

Table 39 Egypt Data Center Infrastructure Market 2020–2026 (\$ million)

Table 40 Other African Countries Data Center Market 2020–2026

Table 41 Other African Countries Data Center Infrastructure Market 2020–2026 (\$ million)

I would like to order

Product name: Middle East and North Africa (MENA) Data Center Market - Industry Outlook & Forecast 2021-2026

Product link: <https://marketpublishers.com/r/M2AEF7DDF8B4EN.html>

Price: US\$ 3,750.00 (Single User License / Electronic Delivery)

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

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/M2AEF7DDF8B4EN.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

