

Data Center Construction Market Size, Share & Trends Analysis Report By Infrastructure (IT Infrastructure, PD & Cooling Infrastructure, Miscellaneous Infrastructure), By Tier Type, By Vertical, By Region, And Segment Forecasts, 2024 - 2030

https://marketpublishers.com/r/DA665777D53BEN.html

Date: May 2024 Pages: 82 Price: US\$ 4,950.00 (Single User License) ID: DA665777D53BEN

Abstracts

This report can be delivered to the clients within 5 Business Days

Data Center Construction Market Growth & Trends

The global data center construction market size is anticipated to reach USD 371.87 billion by 2030, growing at a CAGR of 7.6% from 2024 to 2030, according to a study conducted by Grand View Research, Inc. The market growth is fueled by the increasing demand for data storage and processing capabilities and the increased use of big data analytics. Furthermore, the growing trend of cloud computing and virtualization and a rise in digital transformation are contributing to market growth. Other significant factors driving the market growth include rising investment in infrastructure projects, increasing government spending on information technology, and greater demand from the enterprise sector. The adoption of a software-defined data center in the healthcare industry is also expected to drive market growth. There has been an increase in medical expenditure every year.

According to OECD Health at a Glance 2023, the U.S. Spends USD 12555 per capita on health, which is 16.6% of the GDP. Despite the developing stage, healthcare organizations are adopting modern IT infrastructure changes. Data management, networking, and server storage can be streamlined, unified, and improved by implementing a software-defined data center in the healthcare industry. The IT infrastructure industry in Asia Pacific is experiencing a significant expansion. The

Data Center Construction Market Size, Share & Trends Analysis Report By Infrastructure (IT Infrastructure, PD...



increase in networking equipment sales, such as switches and routers, handles this expansion. Businesses like Huawei Technologies Co. Ltd., Dell, and HP Enterprises have all contributed significantly to the expansion of the market in the area. Introducing new products by these businesses in the servers and networking sectors has helped the IT infrastructure market expand across Asia Pacific.

In addition, the region is experiencing significant IT infrastructure investments from various organizations. The National Investment and Infrastructure Fund Ltd. (NIIF) announced a significant investment of USD 200 million in iBUS Network and Digital Solutions, India's digital infrastructure solutions provider. The investment aims to expand the company's digital infrastructure in the country, which is expected to improve connectivity and support the growth of India's digital economy. The growing construction of hyper-scale data centers worldwide to store large amounts of data creates a profitable opportunity for participants in the industry. Hyper-scale data centers are utilized in various industries to enhance networking infrastructure, memory, computing power, and storage resources.

The physical distribution and infrastructure systems supporting the data centers for optimizing cooling efficiency and the capacity to scale computing workloads efficiently are among the elements of hyper-scale data centers. The network infrastructure ecosystem is benefitting from government initiatives aimed at reducing barriers to cross-border operations. As a result, key players like AT&T Intellectual Property, Huawei Technologies Co. Ltd, and Sky Telecom Inc., among others, have been aggressively investing in rising economies in Latin America, the Middle East, and other regions to expand their business. These market players are securing contracts and tapping into new markets to increase their presence with technological advancements and product innovations.

Data Center Construction Market Report Highlights

The IT infrastructure segment is expected to register a CAGR of 7.5% from 2024 to 2030 as a result of the increasing demand for high-performance computing servers, storage capacity, and sophisticated networking infrastructure

The tier 4 segment is expected to register a CAGR of 10.2% from 2024 to 2030 as it implements the most stringent security protocols, including multi-layered physical barriers, biometric access control, and advanced surveillance systems

The BFSI vertical is expected to register a CAGR of 7.9% from 2024 to 2030 as



data centers offer advanced security features, including physical security solutions, access control protocols, and advanced firewalls, safeguarding critical financial data against unauthorized access and cyberattacks

The Asia Pacific regional market is expected to witness high growth over the forecast period in line with the rapid development of IT and communication infrastructure and continued rollout of 5G networks

Key players focus on product innovation and the introduction of new technologies to their portfolio. For instance, in January 2024, STACK Infrastructure, a developer and operator of data centers, expanded its AI-ready data center capabilities to support machine learning and related high-density workloads

In addition, industry players pursue other strategic activities, such as geographical expansion, acquisitions, mergers, and collaborations. For instance, in February 2024, Edged Energy, a subsidiary focusing on carbon-neutral data center development, launched four data centers totaling more than 300 MW of capacity in the U.S.



Contents

CHAPTER 1 DATA CENTER CONSTRUCTION MARKET: METHODOLOGY AND SCOPE

- 1.1 Market Segmentation & Scope
- 1.2 Research Methodology
- 1.3 Research Scope and Assumptions
- 1.3.1 Purchased Database
- 1.3.2 GVR'S Internal Database
- 1.3.3 List of secondary sources
- 1.3.4 Primary Research
- 1.4 List of Data sources
- 1.5 Market Formulation & Publishing
- 1.6 Data Validation & Publishing

CHAPTER 2 DATA CENTER CONSTRUCTION MARKET: EXECUTIVE SUMMARY

2.1 Data Center Construction Market - Industry Snapshot & Key Buying Criteria, 2018 - 2030

2.2 Data Center Construction Market, 2018 - 2030 (USD Billion)

2.2.1 Data Center Construction Market, By IT Infrastructure, 2018 - 2030 (USD Billion)2.2.2 Data Center Construction Market, By Power Distribution & Cooling Infrastructure,

2018 - 2030 (USD Billion)

2.2.3 Data Center Construction Market, By Miscellaneous Expenses, 2018 - 2030 (USD Billion)

2.2.4 Data Center Construction Market, By Tier Type, 2018 - 2030 (USD Billion)

2.2.4 Data Center Construction Market, By End-use, 2018 - 2030 (USD Billion)

CHAPTER 3 DATA CENTER CONSTRUCTION MARKET: INDUSTRY OUTLOOK

- 3.1 Market Lineage Outlook
- 3.1.1 Parent Market Outlook
- 3.2 Data Center Construction Market Variable Analysis
 - 3.2.1 Market Driver Analysis
 - 3.2.2 Market Restraint/Challenge Analysis
- 3.3 Value Chain Analysis
- 3.4 Market Analysis Tools
 - 3.4.1 Data Center Construction Industry Analysis Porter's



3.4.2 Data Center Construction Industry Analysis - PEST3.5 Impact of COVID on Data Center Construction Market

CHAPTER 4. DATA CENTER CONSTRUCTION: INFRASTRUCTURE ESTIMATES & TREND ANALYSIS

4.1. Segment Dashboard

4.2. Data Center Construction: Infrastructure Movement Analysis, 2023 & 2030 (USD Billion)

- 4.3. IT Infrastructure
 - 4.3.1. Market size estimates and forecasts, 2018 2030 (USD Billion)
 - 4.3.2. Networking Equipment

4.3.2.1. Market size estimates and forecasts, 2018 - 2030 (USD Billion) 4.3.3. Server

4.3.3.1. Market size estimates and forecasts, 2018 - 2030 (USD Billion) 4.3.4. Storage

4.3.4.1. Market size estimates and forecasts, 2018 - 2030 (USD Billion)4.4. PD and Cooling Infrastructure

- 4.4.1. Market size estimates and forecasts, 2018 2030 (USD Billion)
- 4.4.2. Power Distribution

4.4.2.1. Market size estimates and forecasts, 2018 - 2030 (USD Billion)

4.4.3. Cooling

4.4.3.1. Market size estimates and forecasts, 2018 - 2030 (USD Billion)

4.5. Miscellaneous Infrastructure

4.5.1. Market size estimates and forecasts, 2018 - 2030 (USD Billion)

CHAPTER 5. DATA CENTER CONSTRUCTION: TIER TYPE ESTIMATES & TREND ANALYSIS

5.1. Segment Dashboard

5.2. Data Center Construction: Tier Type Movement Analysis, 2023 & 2030 (USD Billion)

5.3. Tier

5.3.1. Market size estimates and forecasts, 2018 - 2030 (USD Billion) 5.4. Tier

5.4.1. Market size estimates and forecasts, 2018 - 2030 (USD Billion) 5.5. Tier

5.5.1. Market size estimates and forecasts, 2018 - 2030 (USD Billion) 5.6. Tier



5.6.1. Market size estimates and forecasts, 2018 - 2030 (USD Billion)

CHAPTER 6. DATA CENTER CONSTRUCTION: VERTICAL ESTIMATES & TREND ANALYSIS

- 6.1. Segment Dashboard
- 6.2. Data Center Construction Share by Vertical 2023 & 2030 (USD Billion)
- 6.3. IT & Telecom

6.3.1. Market size estimates and forecasts, 2018 - 2030 (USD Billion) 6.4. BFSI

- 6.4.1. Market estimates and forecast, 2018 2030 (USD Billion)
- 6.5. Government & Defense
- 6.5.1. Market estimates and forecast, 2018 2030 (USD Billion)
- 6.6. Healthcare

6.6.1. Market estimates and forecast, 2018 - 2030 (USD Billion)

6.7. Energy

6.7.1. Market estimates and forecast, 2018 - 2030 (USD Billion)

- 6.8. Others
 - 6.8.1. Market estimates and forecast, 2018 2030 (USD Billion)



List Of Tables

LIST OF TABLES

Table 1 Data Center Construction Market market 2018 - 2030 (USD Billion) Table 2 Global data center construction market estimates and forecasts by region, 2018 - 2030 (USD Billion) Table 3 Global data center construction market estimates and forecasts by infrastructure, 2018 - 2030 (USD Billion) Table 4 Global data center construction market estimates and forecasts by tier types, (USD Billion), 2018 - 2030 Table 5 Global data center construction market estimates and forecasts by vericals, 2018 - 2030 (USD Billion) Table 6 Infrastructures market by region, 2018 - 2030 (USD Billion) Table 7 IT infrastructuremarket by region, 2018 - 2030 (USD Billion) Table 8 PD and cooling infrastructure market by region, 2018 - 2030 (USD Billion) Table 9 Miscellaneous infrastructure market by region, 2018 - 2030 (USD Billion) Table 10 Tier type market by region, 2018 - 2030 (USD Billion) Table 11 Tier 1 market by region, 2018 - 2030 (USD Billion) Table 12 Tier 2 market by region, 2018 - 2030 (USD Billion) Table 13 Tier 3 market by region, 2018 - 2030 (USD Billion) Table 14 Tier 4 market by region, 2018 - 2030 (USD Billion) Table 15 Vertical market by region, 2018 - 2030 (USD Billion) Table 16 IT & telecom market by region, 2018 - 2030 (USD Billion) Table 17 BFSI market by region, 2018 - 2030 (USD Billion) Table 18 Government and defense market by region, 2018 - 2030 (USD Billion) Table 19 Healthcare companies market by region, 2018 - 2030 (USD Billion) Table 20 Energy market by region, 2018 - 2030 (USD Billion) Table 21 Others market by region, 2018 - 2030 (USD Billion) Table 22 North America data center construction market, by infrastructure, 2018 - 2030 (Market Value, USD Billion) Table 23 North America data center construction market, by tier types, 2018 - 2030 (Market Value, USD Billion) Table 24 North America data center construction market, by vertical, 2018 - 2030 (Market Value, USD Billion) Table 25 U.S. data center construction market, by infrastructure, 2018 - 2030 (Market Value, USD Billion) Table 26 U.S. data center construction market, by tier types, 2018 - 2030 (Market



Value, USD Billion) Table 27 U.S. data center construction market, by vertical, 2018 - 2030 (Market Value, USD Billion) Table 28 Canada data center construction market, by infrastructure, 2018 - 2030 (Market Value, USD Billion) Table 29 Canada data center construction market, by tier types, 2018 - 2030 (Market Value, USD Billion) Table 30 Canada data center construction market, by vertical, 2018 - 2030 (Market Value, USD Billion) Table 31 Mexico data center construction market, by infrastructure, 2018 - 2030 (Market Value, USD Billion) Table 32 Mexico data center construction market, by tier types, 2018 - 2030 (Market Value, USD Billion) Table 33 Mexico data center construction market, by vertical, 2018 - 2030 (Market Value, USD Billion) Table 34 Europe data center construction market, by infrastructure, 2018 - 2030 (Market Value, USD Billion) Table 35 Europe data center construction market, by tier types, 2018 - 2030 (Market Value, USD Billion) Table 36 Europe data center construction market, by vertical, 2018 - 2030 (Market Value, USD Billion) Table 37 UK data center construction market, by infrastructure, 2018 - 2030 (Market Value, USD Billion) Table 38 UK data center construction market, by tier types, 2018 - 2030 (Market Value, USD Billion) Table 39 UK data center construction market, by vertical, 2018 - 2030 (Market Value, USD Billion) Table 40 Germany data center construction market, by infrastructure, 2018 - 2030 (Market Value, USD Billion) Table 41 Germany data center construction market, by tier types, 2018 - 2030 (Market Value, USD Billion) Table 42 Germany data center construction market, by vertical, 2018 - 2030 (Market Value, USD Billion) Table 43 France data center construction market, by infrastructure, 2018 - 2030 (Market Value, USD Billion) Table 44 France data center construction market, by tier types, 2018 - 2030 (Market Value, USD Billion) Table 45 France data center construction market, by vertical, 2018 - 2030 (Market Value, USD Billion)



Table 46 Italy data center construction market, by infrastructure, 2018 - 2030 (Market Value, USD Billion)

Table 47 Italy data center construction market, by tier types, 2018 - 2030 (Market Value, USD Billion)

Table 48 Italy data center construction market, by vertical, 2018 - 2030 (Market Value, USD Billion)

Table 49 Spain data center construction market, by infrastructure, 2018 - 2030 (Market Value, USD Billion)

Table 50 Spain data center construction market, by tier types, 2018 - 2030 (Market Value, USD Billion)

Table 51 Spain data center construction market, by vertical, 2018 - 2030 (Market Value, USD Billion)

Table 52 Asia Pacific data center construction market, by infrastructure, 2018 - 2030 (Market Value, USD Billion)

Table 53 Asia Pacific data center construction market, by tier types, 2018 - 2030 (Market Value, USD Billion)

Table 54 Asia Pacific data center construction market, by vertical, 2018 - 2030 (Market Value, USD Billion)

Table 55 China data center construction market, by infrastructure, 2018 - 2030 (Market Value, USD Billion)

Table 56 China data center construction market, by tier types, 2018 - 2030 (Market Value, USD Billion)

Table 57 China data center construction market, by vertical, 2018 - 2030 (Market Value, USD Billion)

Table 58 India data center construction market, by infrastructure, 2018 - 2030 (Market Value, USD Billion)

Table 59 India data center construction market, by tier types, 2018 - 2030 (Market Value, USD Billion)

Table 60 India data center construction market, by vertical, 2018 - 2030 (Market Value, USD Billion)

Table 61 Japan data center construction market, by infrastructure, 2018 - 2030 (Market Value, USD Billion)

Table 62 Japan data center construction market, by tier types, 2018 - 2030 (Market Value, USD Billion)

Table 63 Japan data center construction market, by vertical, 2018 - 2030 (Market Value, USD Billion)

Table 64 Australia data center construction market, by infrastructure, 2018 - 2030 (Market Value, USD Billion)

Table 65 Australia data center construction market, by tier types, 2018 - 2030 (Market



Value, USD Billion)

Table 66 Australia data center construction market, by vertical, 2018 - 2030 (Market Value, USD Billion)

Table 67 South Korea data center construction market, by infrastructure, 2018 - 2030 (Market Value, USD Billion)

Table 68 South Korea data center construction market, by tier types, 2018 - 2030 (Market Value, USD Billion)

Table 69 South Korea data center construction market, by vertical, 2018 - 2030 (Market Value, USD Billion)

Table 70 Latin America data center construction market, by infrastructure, 2018 - 2030 (Market Value, USD Billion)

Table 71 Latin America data center construction market, by tier types, 2018 - 2030 (Market Value, USD Billion)

Table 72 Latin America data center construction market, by vertical, 2018 - 2030(Market Value, USD Billion)

Table 73 Brazil data center construction market, by infrastructure, 2018 - 2030 (Market Value, USD Billion)

Table 74 Brazil data center construction market, by tier types, 2018 - 2030 (Market Value, USD Billion)

Table 75 Brazil data center construction market, by vertical, 2018 - 2030 (Market Value, USD Billion)

Table 76 Argentina data center construction market, by infrastructure, 2018 - 2030 (Market Value, USD Billion)

Table 77 Argentina data center construction market, by tier types, 2018 - 2030 (Market Value, USD Billion)

Table 78 Argentina data center construction market, by vertical, 2018 - 2030 (Market Value, USD Billion)

Table 79 MEA data center construction market, by infrastructure, 2018 - 2030 (Market Value, USD Billion)

Table 80 MEA data center construction market, by tier types, 2018 - 2030 (Market Value, USD Billion)

Table 81 MEA data center construction market, by vertical, 2018 - 2030 (Market Value, USD Billion)

Table 82 UAE data center construction market, by infrastructure, 2018 - 2030 (Market Value, USD Billion)

Table 83 UAE data center construction market, by tier types, 2018 - 2030 (Market Value, USD Billion)

Table 84 UAE data center construction market, by vertical, 2018 - 2030 (Market Value, USD Billion)



Table 85 Saudi Arabia data center construction market, by infrastructure, 2018 - 2030 (Market Value, USD Billion)

Table 86 Saudi Arabia data center construction market, by tier types, 2018 - 2030 (Market Value, USD Billion)

Table 87 Saudi Arabia data center construction market, by vertical, 2018 - 2030 (Market Value, USD Billion)

Table 88 South Africa data center construction market, by infrastructure, 2018 - 2030 (Market Value, USD Billion)

Table 89 South Africa data center construction market, by tier types, 2018 - 2030 (Market Value, USD Billion)

Table 90 South Africa data center construction market, by vertical, 2018 - 2030 (Market Value, USD Billion)



List Of Figures

LIST OF FIGURES

- Fig. 1 Data Center Construction Market Segmentation
- Fig. 2 Market landscape
- Fig. 3 Information Procurement
- Fig. 4 Data Analysis Models
- Fig. 5 Market Formulation and Validation
- Fig. 6 Data Validating & Publishing
- Fig. 7 Market Snapshot
- Fig. 8 Segment Snapshot (1/3)
- Fig. 9 Segment Snapshot (2/3)
- Fig. 10 Segment Snapshot (3/3)
- Fig. 11 Competitive Landscape Snapshot
- Fig. 12 Data Center Construction: Vertical Value Chain Analysis
- Fig. 13 Data Center Construction: Market Dynamics
- Fig. 14 Data Center Construction: PORTER's Analysis
- Fig. 15 Data Center Construction: PESTEL Analysis
- Fig. 16 Data Center Construction Share by Infrastructure, 2023 & 2030 (USD Billion)
- Fig. 17 Data Center Construction, by Infrastructure: Market Share, 2023 & 2030

Fig. 18 IT Infrastructure Market Estimates and Forecasts, 2018 - 2030 (Market Value, USD Billion)

Fig. 19 PD and Cooling Infrastructure Market Estimates and Forecasts, 2018 - 2030 (Market Value, USD Billion)

Fig. 20 Miscellaneous Infrastructure Market Estimates and Forecasts, 2018 - 2030 (Market Value, USD Billion)

- Fig. 21 Data Center Construction Share by Tier Types, 2023 & 2030 (USD Billion)
- Fig. 22 Data Center Construction Market, by Tier Types: Market Share, 2023 & 2030
- Fig. 23 Tier 1 Market Estimates and Forecasts, 2018 2030 (Market Value, USD Billion)
- Fig. 24 Tier 2 Market Estimates and Forecasts, 2018 2030 (Market Value, USD Billion)
- Fig. 25 Tier 3 Estimates and Forecasts, 2018 2030 (Market Value, USD Billion)
- Fig. 26 Tier 4 Estimates and Forecasts, 2018 2030 (Market Value, USD Billion)
- Fig. 27 Data Center Construction Share by Vertical, 2023 & 2030 (USD Billion)
- Fig. 28 Data Center Construction, by Vertical: Market Share, 2023 & 2030

Fig. 29 IT & Telecom Market Estimates and Forecasts, 2018 - 2030 (Market Value, USD Billion)

Fig. 30 BFSI Market Estimates and Forecasts, 2018 - 2030 (Market Value, USD Billion)



Fig. 31 Government & Defense Market Estimates and Forecasts, 2018 - 2030 (Market Value, USD Billion)

Fig. 32 Healthcare Market Estimates and Forecasts, 2018 - 2030 (Market Value, USD Billion)

Fig. 33 Energy Market Estimates and Forecasts, 2018 - 2030 (Market Value, USD Billion)

Fig. 34 Others Market Estimates and Forecasts, 2018 - 2030 (Market Value, USD Billion)

Fig. 35 Regional Market place: Key Takeaways

Fig. 36 North America Data Center Construction Market Estimates and Forecasts, 2018 - 2030 (USD Billion)

Fig. 37 U.S. Data Center Construction Market Estimates and Forecasts, 2018 - 2030 (USD Billion)

Fig. 38 Canada Data Center Construction Market Estimates and Forecasts, 2018 - 2030 (USD Billion)

Fig. 39 Mexico Data Center Construction Market Estimates and Forecasts, 2018 - 2030 (USD Billion)

Fig. 40 Europe Data Center Construction Market Estimates and Forecasts, 2018 - 2030 (USD Billion)

Fig. 41 U.K. Data Center Construction Market Estimates and Forecasts, 2018 - 2030 (USD Billion)

Fig. 42 Germany Data Center Construction Market Estimates and Forecasts, 2018 - 2030 (USD Billion)

Fig. 43 France Data Center Construction Market Estimates and Forecasts, 2018 - 2030 (USD Billion)

Fig. 44 Italy Data Center Construction Market Estimates and Forecasts, 2018 - 2030 (USD Billion)

Fig. 45 Spain Data Center Construction Market Estimates and Forecasts, 2018 - 2030 (USD Billion)

Fig. 46 Asia Pacific Data Center Construction Market Estimates and Forecast, 2018 - 2030 (USD Billion)

Fig. 47 China Data Center Construction Market Estimates and Forecasts, 2018 - 2030 (USD Billion)

Fig. 48 India Data Center Construction Market Estimates and Forecasts, 2018 - 2030 (USD Billion)

Fig. 49 Japan Data Center Construction Market Estimates and Forecasts, 2018 - 2030 (USD Billion)

Fig. 50 Australia Data Center Construction Market Estimates and Forecasts, 2018 - 2030 (USD Billion)



Fig. 51 South Korea Data Center Construction Market Estimates and Forecasts, 2018 - 2030 (USD Billion)

Fig. 52 Latin America Data Center Construction Market Estimates and Forecasts, 2018 - 2030 (USD Billion)

Fig. 53 Brazil Data Center Construction Market Estimates and Forecasts, 2018 - 2030 (USD Billion)

Fig. 54 Argentina Data Center Construction Market Estimates and Forecasts, 2018 - 2030 (USD Billion)

Fig. 55 MEA Data Center Construction Market Estimates and Forecasts, 2018 - 2030 (USD Billion)

Fig. 56 Saudi Arabia Data Center Construction Market Estimates and Forecasts, 2018 - 2030 (USD Billion)

Fig. 57 UAE Data Center Construction Market Estimates and Forecasts, 2018 - 2030 (USD Billion)

Fig. 58 South Africa Data Center Construction Market Estimates and Forecasts, 2018 - 2030 (USD Billion)

Fig. 59 Key Company Categorization

Fig. 60 Company Market Positioning

Fig. 61 Key Company Market Share Analysis, 2023

Fig. 62 Strategic Framework



I would like to order

Product name: Data Center Construction Market Size, Share & Trends Analysis Report By Infrastructure (IT Infrastructure, PD & Cooling Infrastructure, Miscellaneous Infrastructure), By Tier Type, By Vertical, By Region, And Segment Forecasts, 2024 - 2030

Product link: https://marketpublishers.com/r/DA665777D53BEN.html

Price: US\$ 4,950.00 (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 <u>https://marketpublishers.com/r/DA665777D53BEN.html</u>

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

Custumer signature ____

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

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