

Data Center Construction Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

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Abstracts

The global data center construction market size reached US\$ 51.4 Billion in 2022. Looking forward, IMARC Group expects the market to reach US\$ 80.7 Billion by 2028, exhibiting a growth rate (CAGR) of 8.7% during 2023-2028.

Data center construction refers to the collective process of physically constructing a data center facility. The primary focus is on designing and building a data center with the required capacity, disaster tolerance systems and efficient design to perform all the necessary functions. The infrastructure usually consists of backup power supplies, data communication connections, security devices and air conditioning and fire suppression systems. This ensures that all the resources are optimally utilized, and all the environmental factors are taken into consideration.

Significant growth in the IT industry is one of the key factors creating a positive outlook for the market. The rising penetration of connected devices and convenient access to the Internet have increased the demand for data storage systems across the globe. Furthermore, widespread utilization of big data analytics, cloud-based systems and the Internet of Things (IoT) for computing videos, audio and other formats of data is also driving the market growth. Large data centers are increasingly being constructed across various sectors for enhancing computing ability, memory, networking infrastructure and storage resources. Additionally, increasing emphasis on the construction of green data centers is acting as another growth-inducing factor. Green data centers use low-emission building materials that aid in creating sustainable ecosystems and ensure efficient waste recycling. Other factors, including the increasing adoption of liquid cooling technology and direct-to-chip cooling server racks to prevent overheating in data centers, along with extensive infrastructural developments, are expected to drive the

market further.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global data center construction market report, along with forecasts at the global, regional and country level from 2023-2028. Our report has categorized the market based on construction type, data center type, tier standards and vertical.

Breakup by Construction Type:

Electrical Construction

UPS

Rack Power Distribution Unit (PDU)

Generators

Transfer Switches and Switchgears

Others

Mechanical Construction

Cooling Systems

Racks

Others

Breakup by Data Center Type:

Mid-Size Data Centers

Enterprise Data Centers

Large Data Centers

Breakup by Tier Standards:

Tier I & II

Tier III

Tier IV

Breakup by Vertical:

Public Sector

Oil & Energy

Media & Entertainment

IT & Telecommunication

Banking, Financial Services and Insurance (BFSI)
Healthcare
Retail
Others

Breakup by Region:

North America
United States
Canada
Asia Pacific
China
Japan
India
South Korea
Australia
Indonesia
Others
Europe
Germany
France
United Kingdom
Italy
Spain
Russia
Others
Latin America
Brazil
Mexico
Others
Middle East and Africa
Turkey
Saudi Arabia
Others

Competitive Landscape:

The competitive landscape of the industry has also been examined with some of the key players being AECOM, DPR construction Inc., Eaton Corporation Inc., Fujitsu Limited,

Holder Construction Company, Legrand SA, Rittal GmbH & Co. KG, Schneider Electric SE, Tripp Lite, Turner Construction and Vertiv Group Corporation.

Key Questions Answered in This Report

1. What was the size of the global data center construction market in 2022?
2. What is the expected growth rate of the global data center construction market during 2023-2028?
3. What are the key factors driving the global data center construction market?
4. What has been the impact of COVID-19 on the global data center construction market?
5. What is the breakup of the global data center construction market based on the construction type?
6. What is the breakup of the global data center construction market based on the data center type?
7. What is the breakup of the global data center construction market based on the tier standards?
8. What is the breakup of the global data center construction market based on the vertical?
9. What are the key regions in the global data center construction market?
10. Who are the key players/companies in the global data center construction market?

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