

Data Center Construction Market By Construction
Type (General Construction, Electrical Design,
Mechanical Design), By Tier (Tier 1, Tier 2, Tier 3, Tier
4) By Data Center Size (Small Data Center, Medium
Data Center, Large Data Center) By Industry Vertical
(BFSI, IT And Telecommunications, Healthcare,
Government, Manufacturing, Others): Global
Opportunity Analysis And Industry Forecast,
2024-2032

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## **Abstracts**

**Data Center Construction Market** 

The data center construction market was valued at \$212.6 billion in 2023 and is projected t%li%reach \$416.4 billion by 2032, growing at a CAGR of 7.4% from 2024 t%li%2032.

Data center construction refers t%li%the building of infrastructure that houses computer systems, its servers, and other associated components such as networking devices and storage systems. The role of data center facilities is t%li%store and manage large volumes of data, along with offering support t%li%web hosting, cloud computing, and enterprise IT operations.

With rapid transformation toward automation and digitalization, enormous amounts of data are being generated currently. This boosts the requirement for effective data storage and management, thereby driving the growth of the data center construction market. In addition, the adoption of cloud services is compelling the construction of new



data centers t%li%support the service providers. With rising concerns pertaining t%li%sustainability, the trend of green construction is gaining significance in the market. This involves the usage of renewable energy sources and cutting-edge cooling solutions during construction. Moreover, the obtainment of green building certifications such as Leadership in Energy and Environmental Design (LEED) is becoming a standard in several regions.

However, the expense involved with the construction of data centers is substantially high. This limits the expansion of the market, particularly in the developing regions. Furthermore, compliance with the rigorous regulations implemented for data center construction is an intricate and time-consuming process, which constrains market development. For instance, approvals for data centers in India lack a single window clearance mechanism as they require the applicants t%li%visit different departments for various permissions.

### Segment Review

The data center construction market is segmented int%li%construction type, tier, data center size, industry vertical, and region. On the basis of construction type, the market is divided int%li%general construction, electrical design, and mechanical design. As per tier, it is classified int%li%tier 1, tier 2, tier 3, and tier 4. Depending on data center size, it is categorized int%li%small data center, medium data center, and large data center. According t%li%industry vertical, it is segmented int%li%BFSI, IT & telecommunications, healthcare, government, manufacturing, and others. Region wise, it is analyzed across North America, Europe, Asia-Pacific, and LAMEA.

### **Key Findings**

On the basis of construction type, the general construction segment accounted for a high market share in 2023.

As per tier, the tier 3 segment is growing at the highest CAGR during the forecast period.

Depending on data center size, the large data center segment is expected t%li%account for the highest CAGR by 2032.

According t%li%industry vertical, the IT & telecommunications segment was the highest shareholder in 2023.



Region wise, North America was the highest revenue generator in 2023.

### Competition Analysis

The leading players operating in the global data center construction market include Cisc%li%Systems Inc., IBM Corporation, Oracle Corporation, ABB Ltd., Hitachi Ltd., Equinix, Inc., Schneider Electric, Huawei Technologies Co., Ltd., Fujitsu, and Hewlett Packard Enterprise. These major players have adopted various key development strategies such as business expansion, new product launches, and partnerships, t%li%strengthen their foothold in the competitive market.

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End user preferences and pain points

Industry life cycle assessment, by region

**Investment Opportunities** 

Product Benchmarking / Product specification and applications

**Product Life Cycles** 

Scenari%li%Analysis & Growth Trend Comparison

**Technology Trend Analysis** 

G%li%T%li%Market Strategy

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New Product Development/ Product Matrix of Key Players

Pain Point Analysis

Regulatory Guidelines

Strategic Recommendations

Additional company profiles with specific t%li%client's interest

Additional country or region analysis- market size and forecast

**Brands Share Analysis** 

Criss-cross segment analysis- market size and forecast

**Expanded list for Company Profiles** 



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M	larket share analysis of players at global/region/country level	
S	WOT Analysis	
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By Construction Type		
G	seneral Construction	
Е	lectrical Design	
M	lechanical Design	
By Tier		
Ti	ier 1	
Ti	ier 2	
Ti	ier 3	
Ti	ier 4	
By Data Center Size		
S	mall Data Center	
M	ledium Data Center	
la	arge Data Center	

# By Industry Vertical







China
Japan
India
South Korea
Australia
Rest of Asia-Pacific
LAMEA
Latin America
Middle East
Africa
Key Market Players
Cisc%li%Systems Inc.
IBM Corporation
Oracle Corporation
ABB Ltd.
Hitachi Ltd.
Equinix, Inc.
Schneider Electric
Huawei Technologies Co., Ltd.
Fujitsu



Hewlett Packard Enterprise



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