

## **United States Data Center Construction Market Report and Forecast 2024-2032**

Market Report | 2024-02-12 | 186 pages | EMR Inc.

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### **Report description:**

United States Data Center Construction Market Report and Forecast 2024-2032

#### Market Outlook

According to the report by Expert Market Research (EMR), the United States data center construction market reached a value of USD 69.56 billion in 2023. Aided by the escalating demand for cloud services, an exponential increase in data usage, and the need for advanced infrastructure to support the burgeoning digital economy, the market is projected to further grow at a CAGR of 6.3% between 2024 and 2032 to reach a value of USD 120.83 billion by 2032.

The United States, a global leader in technology and innovation, has witnessed a significant expansion in data centre construction, driven by the digital transformation of businesses, the proliferation of internet-connected devices, and the advent of emerging technologies such as artificial intelligence (AI), the Internet of Things (IoT), and 5G networks. These factors collectively necessitate the development of sophisticated and scalable data centre infrastructures capable of supporting high levels of data throughput and storage, with utmost reliability and efficiency.

The United States data center construction market growth is driven by several key dynamics. Primarily, the shift towards cloud computing and the adoption of cloud-based services by enterprises across various sectors have significantly contributed to the demand for data center infrastructures. Cloud service providers are expanding their data center capacities to cater to the growing needs of businesses seeking scalable, flexible, and cost-effective data storage solutions.

Furthermore, the increasing emphasis on data security and compliance with regulatory standards has led to the construction of state-of-the-art data centers designed to ensure the highest levels of data protection and operational integrity. This trend is particularly relevant in industries such as finance, healthcare, and e-commerce, where data sensitivity and privacy concerns are paramount.

According to the United States data centre construction market analysis, sustainability and energy efficiency have also emerged as critical considerations in data center construction. With data centers being notable energy consumers, there is a growing focus on integrating green technologies, renewable energy sources, and innovative cooling systems to minimise environmental impact and operational costs. This sustainable approach not only aligns with global environmental objectives but also enhances the long-term viability and performance of data centre facilities.

Market players are increasingly focusing on modular data center solutions, which offer the benefits of rapid deployment,

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scalability, and flexibility, catering to the immediate needs of businesses in a fast-paced digital environment, thereby, influencing the United States data center construction market outlook. Additionally, the adoption of advanced technologies such as AI for predictive maintenance, automation for operational efficiency, and advanced security systems for data protection is further shaping the competitive dynamics of the market.

#### Market Segmentation

The market can be divided based on infrastructure, size, tier type, end use, and region.

##### Market Breakup by Infrastructure

- Electrical Infrastructure
  - o□UPS Systems
  - o□Others
- Mechanical Infrastructure
  - o□Cooling Systems
  - o□Racks
  - o□Others
- General Infrastructure

##### Market Breakup by Size

- Small and Medium-Size Data Center
- Large Data Center

##### Market Breakup by Tier Type

- Tier I and II
- Tier III
- Tier IV

##### Market Breakup by End Use

- BFSI
- IT and Telecom
- Government and Defence
- Healthcare
- Others

##### Market Breakup by Region

- New England
- Mideast
- Great Lakes
- Plains
- Southeast
- Southwest
- Rocky Mountain
- Far West

#### Competitive Landscape

The EMR report looks into the market shares, plant turnarounds, capacities, investments, and mergers and acquisitions, among other major developments, of the leading companies operating in the United States data center construction market. Some of the major players explored in the report by Expert Market Research are as follows:

- IBM Corp.
- PCL Constructors Inc.
- DPR Construction
- Clune Construction Company
- Jacobs Solutions Inc.
- HITT Contracting Inc.

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- []J.E. Dunn Construction Company
- []HOCHTIEF AG (Turner Construction Company)
- []Hensel Phelps
- []AECOM
- []Others

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