

# **Green Data Center Market Size, Share, and Analysis, By Component (Solutions and Services), By Enterprise Size (Large Enterprises and Small & Medium-Sized Enterprises), By Vertical (Healthcare, Financial Services, Government, Telecom & IT, and Other Industries), By Region (North America, Europe, Asia-Pacific, and Rest of the World), And Regional Forecast 2024-2034**

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## **Abstracts**

Green Data Center Market Size, Share, and Analysis, By Component (Solutions and Services), By Enterprise Size (Large Enterprises and Small & Medium-Sized Enterprises), By Vertical (Healthcare, Financial Services, Government, Telecom & IT, and Other Industries), By Region (North America, Europe, Asia-Pacific, and Rest of the World), And Regional Forecast 2024-2034

### **PRODUCT OVERVIEW**

The Green Data Center Market is forecasted to demonstrate a Compound Annual Growth Rate (CAGR) of 19% from 2024 to 2034. With a valuation of USD 66.4 billion in 2023, it is expected to surge to USD 449.6 billion by 2034.

Green data center is a facility that is designed to reduce the environmental impact and energy consumption of data centers while providing better efficiency. They perform this through various methods such as using renewable energy sources such as solar or wind power, combined with improving cooling systems to reduce energy usage and installing energy-efficient hardware and infrastructure. In addition, green data centers

frequently implement modern technologies like virtualization and consolidation to make better use of computing resources. These centers focus on sustainability by recycling waste heat, utilizing eco-friendly construction materials, and adopting innovative cooling techniques such as liquid cooling. Therefore, by integrating these practices, green data centers aim to reduce carbon emissions and remove their ecological footprint, which contributes to a more sustainable future for data processing and storage needs.

## MARKET HIGHLIGHTS

Green data center market is expected to reach USD 449.6 billion during the forecast period driven by increasing environmental consciousness and the need for sustainable IT infrastructure. Organizations across the world are continuously striving to reduce their carbon footprint, which creates demand for energy-efficient data centers. Additionally, recent market dynamics reveal a shift towards renewable energy sources like solar and wind power to power data center operations, which again boost the adoption of green technologies. Besides, growing expenses for conventional energy sources and the possibility of cost savings with green data centers encourage the establishment of green data centers. Thus, major players in the IT sector are making substantial investments in green initiatives, which foster innovation and competition in the green data center market. As a result, the green data center sector will witness continuous growth as it provides promising opportunities for businesses that prioritize sustainability and environmental responsibility.

### Green Data Center Market Segments:

By Component

Solutions

Services

By Enterprise Size

Large Enterprises

Small & Medium-Sized Enterprises

By Vertical

Healthcare

Financial Services

Government

Telecom & IT

Other Industries

## MARKET DYNAMICS

### Growth Drivers

Rising Environmental Awareness is Expected to Foster Market Expansion

Regulatory Pressures Will Aid in the Adoption of Green Data Centers

### Restraint

High Investment Costs can Limit the Growth of the Green Data Centers Market

### Key Players

Google

Microsoft

Amazon Web Services (AWS)

Facebook

IBM

Oracle

Cisco Systems

Dell Technologies

Apple

Hewlett Packard Enterprise (HPE)

Intel Corporation

Schneider Electric

Siemens AG

VMware

Equinix

Other Prominent Players (Company Overview, Business Strategy, Key Product Offerings, Financial Performance, Key Performance Indicators, Risk Analysis, Recent Development, Regional Presence, SWOT Analysis)

Global Laboratory Temperature Control Units Market is further segmented by region into:

North America Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – United States and Canada

Latin America Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – Mexico, Argentina, Brazil and Rest of Latin America

Europe Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – United Kingdom, France, Germany, Italy, Spain, Belgium, Hungary, Luxembourg, Netherlands, Poland, NORDIC, Russia, Turkey and Rest of Europe

Asia Pacific Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – India, China, South Korea, Japan, Malaysia, Indonesia, New Zealand, Australia and Rest of APAC

## Middle East and Africa Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – North Africa, Israel, GCC, South Africa and Rest of MENA

### Reasons to Purchase this Report

Qualitative and quantitative analysis of the market based on segmentation involving both economic as well as non-economic factors

Provision of market value (USD Billion) data for each segment and sub-segment

Indicates the region and segment that is expected to witness the fastest growth as well as to dominate the market

Analysis by geography highlighting the consumption of the product/service in the region as well as indicating the factors that are affecting the market within each region

Competitive landscape which incorporates the market ranking of the major players, along with new service/product launches, partnerships, business expansions, and acquisitions in the past five years of companies profiled

Extensive company profiles comprising of company overview, company insights, product benchmarking, and SWOT analysis for the major market players

The current as well as the future market outlook of the industry with respect to recent developments which involve growth opportunities and drivers as well as challenges and restraints of both emerging as well as developed regions

Includes in-depth analysis of the market of various perspectives through Porter's five forces analysis

Provides insight into the market through Value Chain

Market dynamics scenario, along with growth opportunities of the market in the years to come

3-month post-sales analyst support.

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