

IDC Data Center Construction Report



Overview

The latest IDCA Data Center Report provides a comprehensive view of the global data center landscape, covering energy consumption, connectivity, security, and the rise of AI-driven infrastructure. IDC's Datacenter Facilities Index offers quantitative insights into current and forecast worldwide datacenter installation patterns through 2029. In the United States, the race for AI dominance is intensifying, exemplified by OpenAI's ambitious \$500 billion "Stargate" initiative to build next-generation AI infrastructure nationwide. 3B of work in 2026, and the constraint is no longer capital. You'll leave this briefing able to spot where schedule risk really sits. Nearly 100 GW of new data centers will be added between 2026 and 2030, doubling global capacity. The global data center sector will likely expand at a 14% CAGR through 2030, which will require energy innovations to alleviate grid constraints. Hyperscalers will remain a key driver of sector growth. The heavy computing power required by AI workloads, coupled with growing demand for AI technologies, has sparked a global building boom to construct high-performance facilities and ensure reliable energy sources.



Article Content

IDC Forecasts

IDC examines consumer markets by devices, applications, networks, and services to provide complete solutions for succeeding in these expanding markets.

Southeast Asia Data Center Construction Industry Outlook Report

The Southeast Asia data center construction market is projected to expand significantly, with an estimated CAGR of 17.83% between 2025 and 2031. Key trends include a shift towards

Digital Infra Network

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Datacenter Facilities Index

The index is updated annually. It encompasses capital spending for non-IT datacenter facilities, including racks for new construction, retrofits, and existing

Southeast Asia Data Center Landscape Report 2025

The Southeast Asia data center market is set to expand significantly, with its value projected to reach USD 30.47 billion by 2030, growing at a CAGR

AI Market Trends 2026: Global Investment, Risks, and

Discover key market trends as AI becomes the central force influencing growth, earnings, geopolitics, and investment strategy across global

2026 Semiconductor Industry Outlook | Deloitte Insights

And what could that mean for the semiconductor industry, especially if non-data center markets such as the PC, smartphone, and automotive sectors remain

Global Data Centres Report

The global data centre industry stands at a pivotal crossroads – marked by both extraordinary momentum and mounting complexity. From my vantage point within this dynamic sector, it is clear

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Indonesia Data Center Market Investment Analysis

With around 80 established colocation data centers primarily in Jakarta, growth is driven by increasing wholesale colocation demand from cloud

2026 Market Outlook for Global Data Centers | JLL Research

Nearly 100 GW of new data centers will be added between 2026 and 2030, doubling global capacity. The global data center

ITPro Today, Network Computing, IoT World Today combine

ITPro Today, Network Computing and IoT World Today have combined with TechTarget . The page you are looking for may no longer exist.

The Impact of April 2 Tariffs on IT Spending

Mr. Minton's research expertise includes global ICT and economic analysis, and he tracks market data across hardware, software, services,

Datacenter Critical Infrastructure Trends and Strategies

As datacenter facilities grow in scale and complexity, they are becoming top consumers of finite energy and water resources. This research identifies how

Growth Strategies in IDC (Internet Data Center) Market:

The booming Internet Data Center (IDC) market is projected to reach \$500 billion by 2025, fueled by cloud computing, big data, and IoT growth.

Global Data Center Report (2026)

The latest IDCA Data Center Report provides a comprehensive view of the global data center landscape, covering energy consumption, connectivity, security, and the rise of AI-driven

The data center construction boom | Allianz Commercial

Half of data centers report experiencing at least one impactful outage in the past three years, many due to power issues (45%). The consequences of outages

Data center

Utah Data Center (2013) A data center is a facility used to house computer systems and associated components, such as telecommunications and storage systems.

IDC Internet Data Center Market Research Report 2034

Governments worldwide are enacting data sovereignty regulations that incentivize the construction of in-country IDC facilities, adding a structural layer of demand

China Data Center Market Report: Size, Growth, Trends

China Data Center Market size was valued at \$ 92.85 Bn in 2024 and is projected to reach \$ 284.03 Bn by 2032, growing at a CAGR of 15.0% from 2026 to 2032 The

Global_Data_Center_Report_3

As an asset class, data centres have outperformed other digital infrastructure sectors in total shareholder returns, driven by expectations for the revolutionary changes available with large

The cost of compute power: A \$7 trillion race | McKinsey

In data centers across the globe, millions of servers run 24/7 to process the foundation models and machine learning applications that underpin

Global AI spending to approach \$1.5 trillion this year:

The AI market will grow almost 50% year over year to nearly \$1.5 trillion in 2025, fueled by an ongoing cloud data center building boom and

Reuters | Breaking International News & Views

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2026 US Data Center Construction: \$85B Market Breakdown

Explore the \$85B US data center market in 2026, key owners, speed-to-market challenges, and power grid bottlenecks shaping the industry.

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Vietnam Data Center Market Investment Analysis

The Vietnam Data Center Market, valued at USD 1.04 Billion in 2025, is projected to reach USD 3.18 Billion by 2031, with a robust CAGR of 20.48%.

Japan Datacenter Forecast, 2025-2029

Japan Datacenter Forecast, 2025-2029 - This IDC study forecasts the number of sites, total floor footprint, and power capacity (IT load) of datacenters (DCs) installed in Japan by DC size,

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