

Energy Data Center Price Trends



Overview

2%) and Amsterdam (+18%) had the biggest pricing increases, while smaller markets like São Paulo (-20). Limited power availability remains the prime inhibitor of global data center growth in certain core hub markets, leading to opportunities in new hotspots like Richmond (North America), Santiago (Latin America) and Mumbai (Asia-Pacific). 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. Discover the ten key trends that 451 Research analysts anticipate across data center services and infrastructure in 2026. Need technology industry data and insights?

Connect with us today to explore how 451 Research solutions can help guide strategic decision-making For decades, data centers have. AI workloads are driving unprecedented power demand, projected to reach 123 GW by 2035; latency and scalability needs are accelerating adoption of new building designs; co-location with nuclear power, especially small modular reactors, is emerging to ensure grid reliability; public misconceptions.



Article Content

Mar 29, 2026

How will energy prices affect data center costs in 2024

From the increased use of renewable energy to create green data centers to the evolving geopolitical dynamics influencing fossil fuel markets, there

Mar 15, 2026

Data centre cost trends

Globally, the overall average year-on-year cost increase across the 2024 index is nine percent, compared to six percent in 2023. Our 2024 index considers the

Jan 24, 2026

How AI Data Centers Are Sending Your Power Bill Soaring

AI Data Centers Are Sending Power Bills Soaring Wholesale electricity costs as much as 267% more than it did five years ago in areas near

Jun 05, 2026

Maps and Data

Maps and Data - Fuel Taxes by Country Find maps and charts showing transportation data and trends related to alternative fuels and vehicles.

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S& P Global Energy Releases Key Clean Energy+ Trends for 2026 as

Multiple AI- and energy-related initiatives, including AWS integrations and benchmark developments, frame today's Horizons report on AI-driven power demand and clean energy trends

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Data Centre Trends Report 2025

Our latest annual Data Centre Trends Report, based on insights from 535 executives across the UK and Europe, delves deep into the current

Oct 16, 2025

2026 Global Data Center Outlook

Between 2020 and 2025, the average global data center construction cost increased from \$7.7 to \$10.7 million per MW, equating to 7% CAGR. For 2026, JLL is forecasting the average global

Jul 02, 2025

Renewable electricity – Renewables 2025 – Analysis

Renewables 2025 - Analysis and key findings. A report by the International Energy Agency.

Jul 01, 2025

2026 Trends in Data Center Services & Infrastructure

As utilities struggle to determine how much energy data centers will require over the longer term, fears are mounting that infrastructure could be over-built and demand may not materialize. The size and

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AI Data Center Market Report 2026

A key trend shaping the market is the transition from air-based cooling to liquid cooling technologies, including direct-to-chip and immersion cooling. These

Sep 20, 2025

Introduction & Market Scope 5 Current Market Trends

ACEC's Data Center Market Briefings provided a three-part online series hosted by the Market Intel Committee, offering a deep dive into the booming data center market.

Aug 30, 2025

Power, Pricing, and Pipeline: CBRE Report 2025

This article summarises the key takeaways from CBRE's Global Data Centre Trends 2025 Report, exploring the state of power, inventory, vacancy,

Apr 04, 2026

Virginia's New Data Center Electricity Rate Class

Virginia's new electricity rate class for data centers reflects rising demand and challenges in energy policy and pricing.

Jan 02, 2026

Annual Energy Outlook 2026

We project electricity consumption will continue growing through 2050 at a rate of 0.9% to 1.6%, with data center server energy use a major factor.

Nov 12, 2025

2024 United States Data Center Energy Usage Report

The Energy Act of 2020 calls for the U.S. Department of Energy to make available to the public an update to Lawrence Berkeley National Laboratory's prior study entitled United States Data Center

Feb 19, 2026

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

Our research shows that by 2030, data centers are projected to require \$6.7 trillion worldwide to keep pace with the demand for compute power.

Jul 05, 2025

Global Data Center Trends 2025

Demand continues to outpace new supply across both core and emerging hubs. The global weighted average data center vacancy rate fell by 2.1 percentage points year-over-year in Q1

Nov 04, 2025

Duke Energy (DUK): Q1 2026 Earnings Preview Amid Data Center Boom

Duke Energy has beaten EPS estimates in three of the last four quarters, with a positive Earnings ESP of +1.31% signaling potential upside. Key focus: retail sales growth, customer

Aug 20, 2025

Data center boom expected to raise electricity component of PCE ...

With the emergence of artificial intelligence, data center construction has surged with plans for more to become operational in

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Market analysis

Energy prices have a significant impact on household expenditures, industrial costs and business competitiveness. In a liberalised market, monitoring market prices

Jan 16, 2026

Global trends – Global Energy Review 2025 – Analysis

Global Energy Review 2025 - Analysis and key findings. A report by the International Energy Agency.

Aug 30, 2025

AI Data Center Power Surge: Shifting Trends Toward Natural Gas

Executive Summary Rapid growth in artificial intelligence (AI) data center power demand is driving a resurgence in fossil fuel investment, highlighted by the 2026 approval of massive natural

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