

Quotation for the Construction of a Large-Scale IDC Data Center

DATA ADJUSTABLE, EASY TO USE



SET INCREASE DECREASE POWER SWITCH

AI Overview

The estimated construction cost for a large-scale IDC in 2026 ranges from \$600 to \$1,200+ per square foot or \$8M-\$12M per MW for standard facilities, with AI-optimized centers reaching \$15M-\$20M+ per MW.

Cost Breakdown

- Construction Costs per Square Foot**
 - Standard data centers: \$600-\$1,000 per square foot
 - Total development (including fit-out and specialized systems): \$625-\$1,135 per square foot
 - AI-optimized facilities: \$1,100+ per square foot due to high-density racks (30-50+ kW per rack) and advanced liquid cooling systems
- Cost per Megawatt (MW)**
 - Standard facilities: \$8M-\$12M per MW
 - AI-optimized centers: \$15M-\$20M+ per MW
 - High-density AI workloads significantly increase electrical and cooling requirements, driving per-MW costs higher
- Major Cost Drivers**
 - Electrical systems:** 40-45% of total spend, including transformers, UPS, and switchgear
 - Cooling systems:** 15-25%, with liquid cooling for AI workloads
 - Redundancy/Tier level:** Tier IV adds 15-25% over Tier III due to full redundancy
 - Labor:** Peak crews for large campuses can reach 4,000-5,000 workers, making labor shortages a major cost factor
 - Materials:** Steel, aluminum, copper, and transformers are subject to tariffs and long lead times, adding 10-15% to costs
- Regional Considerations**
 - Emerging markets in the U.S. Southeast and Midwest (e.g., Ohio, Louisiana, Wisconsin) offer better power availability and labor access
 - Power constraints in established hubs like Northern Virginia can extend construction timelines by 24-72 months
- Project Scale Examples**
 - Large campuses can exceed \$2 billion, with flagship builds reaching \$5 billion
 - AI-optimized gigawatt-scale centers may cost \$45-\$55 billion per GW
- Strategies to Manage Costs and Timelines**
 - Modular construction and pre-purchasing critical components
 - Early procurement (18-22 months) for electrical and mechanical...

Article Content

AshwinD24's gists · GitHub

GitHub Gist: star and fork AshwinD24's gists by creating an account on GitHub.

IDC Internet Data Center Market Report: Size, Growth,

The primary function of an IDC is to ensure the continuous operation, management, and transmission of large-scale data and digital services, offering a more reliable

Latest Technology Stock Investing Analysis | Seeking

Seeking Alpha's latest contributor opinion and analysis of the technology sector. Click to discover technology stock ideas, strategies, and analysis.

IDC Market: \$285.4B Growth Forecast & Data Center

The IDC (Internet Data Center) market projects \$285.4B by 2025, driven by 10.6% CAGR. Explore key growth drivers, competitive landscape, and

FAR | Acquisition.GOV

Federal Acquisition Regulation Full FAR Download in Various Formats Browse FAR Part/Subpart and Download in Various Formats

Nasdaq: Stock Market, Data Updates, Reports & News

Get the latest stock market news, stock information & quotes, data analysis reports, as well as a general overview of the market landscape from Nasdaq.

easyJet | Vols pas chers & Vacances

Réservez des vols pas chers sur easyJet vers les plus grandes villes d'Europe. Trouvez aussi des offres spéciales sur votre hôtel, votre location de voiture et

Global IDC Internet Data Center Market Size, Share,

According to IDC, hyperscale data centers accounted for approximately 40% of total data center capacity in 2022, with projections indicating continued

128k-tokens/o200k_base.txt at main · willhama/128k

Visualization of different context lengths in text - willhama/128k-tokens

2022-2023 China IDC Industry Development Research Report

Operators have dual identities as network providers and data center service providers, and play an important role in the development of the national digital industry and the construction of

Internet Data Center (IDC) Market Size, Regional

Setting up and maintaining Internet Data Centers requires significant capital investment in land, infrastructure, cooling systems, and energy supply.

[Quote Template | Free Price Quote Template for Excel](#)

Download a simple Price Quote template for Excel. Easily create price quotes to send to a client or customer.

[SEC.gov | EDGAR Full Text Search](#)

SEC.gov EDGAR FAQ Other search tools The new EDGAR advanced search gives you access to the full text of electronic filings since 2001.

[Internet Data Center Market Size And Share Report, 2030](#)

A private data center's construction and upkeep might be prohibitively expensive due to significant up-front capital costs and continuous operational costs. A more

[Welcome to the UNGM](#)

We are excited to present the latest data showing a significant increase in engagement across our international supplier network. This year-over-year

[Health research data for the world](#)

Health research data for the world We follow the lives of half a million volunteers to learn who falls ill and why, so scientists around the world can

[directory-list-2.4.txt/directory-list-2.4.txt at main](#)

[Customer stories](#) [Events & webinars](#) [Ebooks & reports](#) [Business insights](#) [GitHub Skills](#) ...

[Crackhead/pass.txt at master · moimikey/Crackhead ·](#)

[How to create a web form cracker in under 15 minutes. - moimikey/Crackhead](#)

[Rick Astley](#)

The official video for "Never Gonna Give You Up" by Rick Astley. Never: The Autobiography  OUT NOW! Follow this link to get your copy and listen to Rick's ...

[DHL expands Asia Pacific data center logistics capabilities to support ...](#)

SINGAPORE: DHL Supply Chain (DHL) Tuesday announced the expansion of its data center logistics capabilities across the Asia Pacific region, strengthening its position as a strategic

[Idc Internet Data Center Market Size, Growth, Share, & Analysis](#)

According to the U.S. Chamber of Commerce Technology Engagement Center, the average cost to build a data center is between USD 10 million to USD 12 million per megawatt, with

Data center infrastructure market: AI-driven CapEx

7 key IT and facility data center infrastructure segments are the main beneficiaries of this spending, with sustained double-digit growth expected for

Worldwide IDC (Internet Data Center) Market 2026

In 2025, Hyperscale Data Centers set the pace across the worldwide IDC market, bringing in USD 234.03 Million and representing approximately 55.0% of global share.

Internet Data Centers Market Research Report 2034

The global Internet Data Centers market was valued at \$237.0 billion in 2025 and is projected to reach \$684.0 billion by 2034, expanding at a compound annual growth rate of 12.5%

unsupervised_topic_modeling/topics/en/17/50/100/topics at master ...

Contribute to annontopicmodel/unsupervised_topic_modeling development by creating an account on GitHub.

Internet Data Center Market By Size, Share and Forecast 2032

These drivers and trends indicate a promising market outlook through 2032. The Global Internet Data Center (IDC) market exhibits strong geographical diversity, with notable growth across North

Contact Us

For more information, pricing, or custom solutions, please contact us:

Website: <https://araziyahsafety.co.za>

Email: info@araziyahsafety.co.za

Phone: +27 72 418 3692

Address: 123 Rivonia Road, Sandton, Johannesburg, 2196, South Africa

This document is for informational purposes only. Specifications subject to change without notice.

