

Data Center Construction Budget



AI Overview

Modern data center construction typically costs \$7–\$12 million per megawatt (MW), with AI-optimized or Tier IV facilities potentially exceeding \$20 million per MW.

Cost Overview Building a data center is a capital-intensive project, with costs influenced by power availability, redundancy level, cooling systems, land, and MEP (mechanical, electrical, plumbing) scope. Standard greenfield builds generally range from \$7M to \$12M per MW, or roughly \$600–\$1,100 per square foot. Brownfield projects can reduce costs by 10–15%, while high-density or AI-focused facilities can push budgets significantly higher, sometimes beyond \$20M per MW due to advanced cooling and higher electrical loads.

Key Cost Components

- Electrical Systems:** The largest single cost driver, consuming 40–45% of total spend, including utility feeds, switchgear, generators, and battery backups.
- Cooling Infrastructure:** Accounts for 15–20% of the budget, covering chillers, CRAHs, containment, and airflow management.
- MEP Systems:** Can consume up to 50% of total budgets in complex builds.
- Land Acquisition:** Costs have risen sharply, with larger parcels needed for campus-style developments.
- Construction and Logistics:** Includes permitting, long-lead equipment, and project management, which can add millions if not carefully planned.

Factors Affecting Budget

- Tier Level:** Tier IV facilities cost 25–40% more than Tier III due to deeper redundancy requirements.
- AI and High-Density Infrastructure:** Advanced cooling, higher electrical throughput, and modular designs increase capital requirements.
- Site Selection:** Strong grid access, fiber connectivity, and fast permitting reduce delays and cost overruns.
- Project Type:** Greenfield vs. brownfield projects influence cost, with brownfield redevelopment typically cheaper.

Budgeting Strategies

- Early Planning:** Assess site viability, power, and IT load projections to align CAPEX with total cost of ownership.
- Procurement Management:** Track long-lead items and coordinate MEP installation to prevent delays.
- Technology Investment:** Invest in...

Article Content

Data centre construction cost index 2025-2026 | Turner

Now in its ninth year, the Data centre construction cost index 2025-2026 remains the industry's only cost index focused exclusively on construction. It offers

Procurement Lead Data Center (U.S. Remote or Greensboro, NC)

Procurement Lead Data Center (U.S. Remote or Greensboro, NC) The Procurement Lead - Data Center is responsible for end-to-end sourcing, purchasing, and supplier management for all data center

Virginia Approves First-of-Its-Kind Energy Tax on Data Centers

Virginia lawmakers passed budget legislation (HB 30) Monday that imposes an unprecedented tax on data centers' electricity consumption, resolving an issue—for now—that

Data Center Construction Cost per Square Foot: Ranges + Key

See typical data center construction cost per square foot, how cost per MW compares, and the biggest drivers behind higher budgets, delays, and build risk.

Press releases

Browse bp group press releases by topic, region or date Region Topic Date published
Reset all 642 Results Press release bp exits Bay du Nord interest as part of continued portfolio simplification

Steel imports down 30% in 2026 as tariffs bolster US production

Steel imports down 30% in 2026 as tariffs bolster US production Raw and finished steel reached 1.87 million net tons for the month of April, driven by increased imports of tin plate, metallic

Data Center Construction: Costs, Timeline, and Delivery Steps

Data center construction builds secure facilities for servers, power, and cooling systems. Get costs, timelines, key steps, and tips to manage your project. Use this data center project plan

Data Center Tax Breaks at Risk as States Rethink Cost and Impact

Persistently high energy costs and tougher budget pressures are likely to keep data center tax breaks on the chopping block in many states, even as their lawmakers have mostly

Data Center Construction Costs Explained

Data center construction costs average \$10-\$12 million per MW, and AI-optimized facilities can reach as high as \$20+ million per MW. Mechanical, electrical, and plumbing (MEP) systems consume as

Cushman & Wakefield | Commercial Real Estate Brokers & Services ...

Insights • Technology Asia Pacific Data Centre Construction Cost Guide In this 2026 edition of the Data Centre Construction Cost Guide, we examine data centre development costs across key Asia Pacific

Data Center Construction Cost Guide

Modern data centers typically cost \$7M-\$12M per MW or \$600-\$1,100 per square foot to build. Electrical systems are the single biggest cost driver, consuming 40%-45% of total project

Data Center Construction Costs: Complete Budgeting Breakdown

Building a data center costs millions, if not billions. Discover the key cost components, hidden logistics expenses, and how technology investment delivers 10-20x ROI.

Data Center Construction Cost | 2025 Cost Breakdown | Cortex

Detailed breakdown of data center construction costs. Per MW, per square foot, cost categories, regional variations, and strategies to control construction budgets.

Microsoft builds world's most powerful AI datacenter in Wisconsin

Microsoft announces completion of Fairwater datacenter in Wisconsin featuring hundreds of thousands of NVIDIA GB200s, delivering 10x the performance of today's fastest supercomputers.

How Much Does a Data Center Cost? The Complete Guide To 2026

See what a data center really costs in 2026, from build price per megawatt to monthly operating costs. A clear breakdown of every line item, with real numbers.

Contact Us

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

Website: <https://umele-pestovani.eu>

Email: info@umele-pestovani.eu

Phone: +49 152 287 6349

Address: Neue Mainzer Straße 66-68, 60311 Frankfurt am Main, Germany

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

