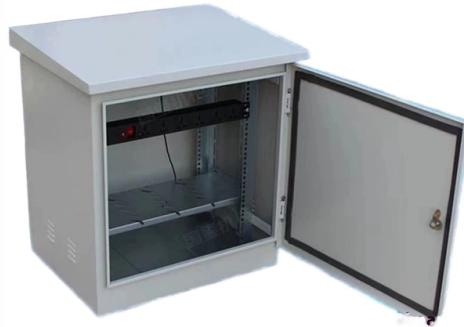


Cost of Modular Data Center Construction



Overview

A 2025 US development cost guide from Cushman & Wakefield reports facility construction costs clustering around \$9.0M per MW of critical load across major US markets, with an average near \$11. The data centre market is entering a new era, driven by the explosive growth of artificial intelligence (AI) and surging global demand. This excludes owner-furnished items and tenant costs – so it's a construction-oriented view. Data center budgets reward teams that think beyond infrastructure and plan execution just as carefully. Tight coordination, realistic benchmarks, and the right logistics tools keep projects predictable. Hyperscale Data Center: Built by tech giants like AWS, Azure, and Google Cloud, hyperscale facilities are the largest and most capital-intensive builds in the industry. It exceeds 100 MW and covers millions of square feet.



Article Content

Data Center Construction Costs 2026: \$/MW, \$/sqft & Drivers

2026 data center build costs by capacity, region, and tier. Why \$/MW is climbing, how labor and power are reshaping budgets, and what GCs are quoting now.

Data Center Construction Costs Explained

Data center construction averages \$10-\$12 million per MW, with MEP systems consuming up to 50% of budgets. Land acquisition, labor, and hidden costs can

ITPro Today, Network Computing, IoT World Today combine

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Data Center Construction Costs: Complete Budgeting

Building a data center costs millions, if not billions. Discover the key cost components, hidden logistics expenses, and how technology investment

Modular Data Centers: What They Are and What They

So, you need a data center, and using the cloud or a co-location facility just isn't an option. What are your choices? You can build one from the

The Complete Guide to Modular Data Center Solutions

Reduced costs – Modular data centers also tend to be 30 percent less expensive than stick-built data centers. Off-site factory assembly reduces construction costs and eliminates issues, such as weather

Data centre construction cost index 2025-2026 | Turner & Townsend

It covers 52 markets, providing a broader view of construction costs across both established and emerging hubs. It includes an index ranking and indicative US Dollar per watt (US\$/W) benchmarks

Modular Data Center Cost: CAPEX, OPEX & Timeline Drivers

Data center development cost breakdown More than half the construction budget goes to critical capacity – power and cooling infrastructure. The building shell accounts for roughly a fifth.

What Does It Cost to Build a Data Center in 2026?

Cost to Build a Data Center in 2026, including pricing per MW, key cost drivers, and ROI strategies to build faster, smarter, and more efficiently.

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Modular Data Centers: When They Work, and When

Modular data centers offer fresh opportunities for the industry, but that doesn't mean they are right for every occasion.

The Modular Data Center Ultimate Guide

Modular data centers offer rapid deployment, scalability, and flexibility, making them a practical choice for businesses needing

Modular Data Centers: Prefabricated Containers and

These hyperscale data center operators are taking advantage of modular designs to achieve: time reductions for construction, cost savings, just-in

Modular Data Center Cost: CAPEX, OPEX & Timeline Drivers

This piece breaks down the cost drivers that actually move the needle – on CAPEX, on OPEX, and on timeline. By the end, you'll know what questions to ask before engaging any modular

The Rise of Modular Data Centres

The Australian building and development sectors are undergoing significant transformation, driven by the rise of pre-fabricated, modular

Engineering and Construction Enters a New Phase of AI-Embedded ...

Persistent supply chain volatility, skilled labor shortages, accelerating demand for data centers and energy infrastructure, and tightening sustainability mandates are pushing engineering and

AI Datacenter Power Management Market Size and Forecasts 2032

High Capital Cost of Advanced Power Management Infrastructure High-density AI datacenter power management systems including lithium UPS, intelligent PDU networks, and integrated cooling-power

Breaking Down Data Center Cost: Building vs. Outsourcing

Wondering about Data Center Cost? Looking to build a data center? This article breaks down the main expenses, from building your own facility to outsourcing.

AI Datacenter Cabling Market Size and Forecasts 2032

The growing adoption of prefabricated and modular AI data center construction approaches including containerized data halls and factory-assembled power and cooling modules is creating

Data Center Buildout Cost: Complete Pricing Guide

Planning a facility? Get a clear picture of data center buildout costs to plan smarter and spend with confidence.

JLL's 2026 Global Data Center Outlook: Navigating the

JLL's 2026 Global Data Center Outlook report highlights a massive \$3 trillion supercycle in data center infrastructure, driven by AI, cloud expansion, and

2026 Global Data Center Outlook

Data center construction costs have been increasing at 7% CAGR. The industry is expanding at a relentless pace, resulting in

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

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Gain strategic business insights on cross-functional topics, and learn how to apply them to your function and role to drive stronger performance and innovation.

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