

Modular Data Center Development Trends



Overview

New modular platforms are being designed specifically for AI workloads, integrating liquid cooling, high-efficiency power systems, and modular assembly to support dense compute environments. At the same time, prefabrication itself is evolving. A formal definition from a Schneider Electric white paper describes a prefabricated modular data center as “a pre-engineered, factory-integrated, and pre-tested assembly of subsystems. mounted on a skid or enclosure.” This factory-first model fundamentally shifts how data centers are built. Instead. Multiple new players have joined the game, with one of the biggest stories of the year being Oracle's meteoric rise to become the world's fourth largest hyperscaler. And while much of the mainstream talk has been about the multi-gigawatt ambitions for AI data centres, existing data centre markets. Modular Data Centres by Application (Finance, Government and Defense, Telecom, Education, Others), by Types (380V/50Hz, 480V/60Hz, Others), by North America (United States, Canada, Mexico), by South America (Brazil, Argentina, Rest of South America), by Europe (United Kingdom, Germany, France. According to research from Omdia, revenue for modular facilities built onsite using prefabricated components climbed from approximately \$2. With a projected annual growth rate of 13% through 2026, the modular data center market is expected to reach an. The Modular Data Centre market is estimated to develop at a Compound Annual Growth Rate (CAGR) of 17.

Article Content

Modular Data Center Market Size, Share, Growth

Modular data centers, with their small footprints and quick deployment capabilities, are a best-fit solution for this emerging trend. Telecom

2026 Data Center Trends: AI, Cooling & Power Insights

Explore 2026 data center trends, including AI workloads, liquid cooling, renewable energy, and security challenges. Stay ahead in the industry.

The future of the data center is modular

Many data centers today are being built in phases to support future growth, he explains. Building in a modular way allows you to duplicate your processes and speed up construction.

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

Modular Data Center Trends

Modular Data Center Trends Modular Data Center Trends In the ever-evolving realm of data centers, modular solutions have emerged as a

WORLD WIDE WEB JOURNAL Home

Internet communications tools Document preparation Computing industry Computing standards, RFCs and guidelines Computer crime Language types Security and privacy Computational complexity and

Data center industry news, analysis, and opinion

DatacenterDynamics is the world's largest data center publication. We publish news, magazine features, and podcasts about the hyperscale &

Emerging Trends in the Global Modular Data Center Market

The Modular Data Centre market is estimated to develop at a Compound Annual Growth Rate (CAGR) of 17.8% over the forecast period, rising from USD 25.8 billion in 2023 to USD 81.2 billion by 2030.

The future of the data center is modular

Juan Colina, Eaton's EMEA data center segment leader, is an evangelist for the many benefits of moving to modular data center construction, which can include purpose-designed prefabricated pod and skid systems for power and/or IT that are pre-commissioned and factory tested.

Top 5 Trends in Modular Data Centers for 2025

As the global population grows and data consumption patterns evolve, the demand for faster deployment, cost efficiency, and increased scalability has reached

Modular Data Center Market Size & Growth Drivers

Overall, the modular data center market for AI-centric workloads is set to more than triple between 2026-2031, remapping vendor roadmaps toward

The Modular Data Center Ultimate Guide

Using prefabricated modules, these centers are operational in weeks rather than months, unlike traditional ones.

ITPro Today, Network Computing, IoT World Today combine

ITPro Today, Network Computing, IoT World Today combine with TechTarget Our editorial mission continues, offering IT leaders a unified brand with comprehensive coverage of enterprise

Modular Data Center Trends

Below are trends shaping the modular data center landscape in 2024 and their implications for the future of data center infrastructure. 1.

Data Centre Trends 2026

Change is already coming to every element of data centre development from the chips and equipment they deploy, to land searches, permitting and regulations; from standardisation and automation of

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.

Emerging Trends in the Global Modular Data Center Market

Explore the emerging trends shaping the global modular data center market, including edge computing adoption, rapid deployment and scalability, energy efficiency, hybrid and multi-cloud environments,

AI data center growth: Meeting the demand | McKinsey

Soaring demand for AI data centers has ushered in a new area of growth. We explore these new opportunities for companies and investors across

McKinsey technology trends outlook 2025 | McKinsey

Which new technology will have the most impact in 2025 and beyond? Our annual analysis ranks the top tech trends that matter most for

Modular Data Centers for Rapid Deployment: Trends & Opportunities

Modular data centers, once limited to edge or temporary deployments, are now emerging as a serious strategy for rapid capacity expansion. Built off-site in controlled factory environments

Modular Data Centres Report: Trends and Forecasts 2026-2034

This report provides a comprehensive analysis of the modular data center market, covering market size, growth drivers, challenges, trends, and competitive landscape.

The Drive Towards Global Modular Data Centre Growth

The challenge will come with the modular in-built cooling systems as, even with additional air conditioning, it is difficult to prevent overheating within

The Future of Modular Data Center Design

In this article, we explore what modular data centers are, the advantages they offer, and how engineering innovators like gbc engineers are

Modular Data Center Market Size & Trends Analysis, 2032

The modular data center market size will generate an estimated revenue of USD 30.9 billion in 2024 and witness a growth rate of 17.5% during 2025-2032.

Modular Data Centers: The Rising Trend and Ideal

Meanwhile, ongoing supply chain disruptions and imbalances will make out-of-the-box solutions like modular units all the more valuable. On top of

Contact Us

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

Website: <https://saastisfy.fr>

Email: sales@saastisfy.fr

Phone: +33 6 52 81 47 39

Address: 75 Rue de Rivoli, 75001 Paris, France

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

