

UAE IDC Data Center Construction Project



AI Overview

The UAE is rapidly expanding its data center infrastructure with major hyperscale and AI-focused projects led by Microsoft, G42, OpenAI, and other global and domestic players, targeting multi-gigawatt capacity by 2026.

Key Projects and Investments

Stargate UAE is a flagship 1 GW compute cluster being developed by G42 and operated by OpenAI and Oracle. Announced in May 2025, the project involves international partners including NVIDIA, SoftBank, and Cisco. The facility is part of a 5 GW UAE-US AI campus in Abu Dhabi, spanning 10 square miles and powered by nuclear, solar, and natural gas. The first 200 MW of the AI cluster is expected to go live in 2026, providing nation-scale compute and low-latency AI inferencing capabilities.

Microsoft & G42 UAE Data Centre Expansion involves a USD 5.2 billion investment through Khazna Data Centers, a G42 subsidiary. This expansion will add 200 MW of capacity to support Microsoft Azure Cloud, AI workloads, and cloud services, with operations expected before the end of 2026. This project is part of Microsoft's broader USD 7.9 billion investment in the UAE between 2026 and 2029, including a USD 1.5 billion equity stake in joint data center projects with G42.

Domestic operators such as Khazna Data Centers, Moro Hub, and Equinix are also expanding local capacity, with Khazna recently unveiling a 100 MW AI facility in Ajman and planning further deployments.

International hyperscalers like AWS, Google, and Microsoft are investing heavily, attracted by the UAE's strategic location, robust connectivity, and favorable regulatory environment.

Market Drivers

The UAE's data center market, valued at USD 3.5 billion, is fueled by rising demand for cloud services, AI, IoT, and digital transformation initiatives. Dubai and Abu Dhabi are the primary hubs, benefiting from smart city initiatives, high internet penetration, and government-backed digital strategies such as the National AI Strategy 2031.

Hyperscale data centers dominate the market, while colocation, edge, modular, and...

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UAE Data Centers | Upcoming Data Centers

Khazna Data Centers, Gulf Data Hub, and Pure Data Centres form the core of the UAE's operational data center capacity. White-floor expansion is concentrated in

Data Center Construction UAE: The AI Investment Boom

Explore how Microsoft, G42, OpenAI's data centre construction in the UAE is redefining technological projects—where AI-driven demands, modular systems,

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UAE Data Center Construction Market | 2019 - 2030

The expansion of e-commerce and the need for robust IT infrastructure have further fueled investments in data center construction across the region. Key cities

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Latest List of Top 7 Data Center Projects in UAE 2026

List of upcoming data center projects in the UAE for 2026, featuring Microsoft, G42, du, Stargate UAE, Alibaba Cloud, and Equinix expansions.

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Unlocking the data centre opportunity in the Middle East

The UAE has made significant strides in its data centre ecosystem with Khazna Data Centres recently unveiling a 100 MW AI facility in Ajman and

UAE Data Centers: Powering the Middle East's AI

As the Middle East's digital transformation accelerates, the United Arab Emirates (UAE) is emerging as a key player in the global data center

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Data Center Construction Services in Dubai & Abu

Our team at Telal, with extensive experience in the construction of data centers in Dubai, Abu Dhabi, and across the UAE, ensures the project's proper adherence

UAE Data Center Projects | Regional Cloud Hub

Track data center developments across the UAE, including capacity expansion and regional cloud infrastructure.

Announcing The Stargate Project

We want to connect with firms across the built data center infrastructure landscape, from power and land to construction to equipment, and

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An in-depth look at data centre development in the Middle East

Multi-tenant data centre requirements are increasing, and modular construction is gaining feasibility in meeting these escalating

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Network Infrastructure and Industrial Electrical Wiring

Facing an outdated network, security vulnerabilities, and limited capacity, Rockford Public Schools partnered with Panduit to modernize its data center. This

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