

# High-density edge data centers in Singapore



## Overview

ST Engineering is planning a \$88 million investment in a new seven-story data center, which is targeted for completion in 2026. Other major operators, such as Equinix and Keppel Data Centres, are also expanding their presence. DayOne, a Singapore-headquartered global data center pioneer, today broke ground on its first data center in Singapore. The 20-megawatt (MW) facility spans about 40,000 square meters of gross floor area, with Phase One scheduled to be ready-for-service (RFS) in 2026. 09 million in 2025 and is anticipated to reach USD 880. 86% during the forecast period. The project integrates 100% renewable energy, SOFC-based hydrogen power generation, and cutting-edge hybrid cooling technologies. Singapore remains a critical global data center location, focusing on high-value workloads and sustainability while regional competition. Singapore's role as a regional connectivity hub is being reshaped by three forces: accelerating investment in AI-ready infrastructure, rising demand for edge computing nodes across APAC, and tightening data-sovereignty requirements under frameworks like the Personal Data Protection Act.



## Article Content

Mar 26, 2026

### Data Center Energy Consumption Statistics | 2026 Edition

Data center energy demand in Ireland is projected to grow by 65% between 2022 and 2026 AI-related energy consumption is expected to grow by 25% to 33% annually through 2027

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### Indonesia Data Center Market Report: Size, Growth,

Indonesia Data Center Market size was valued at USD 1.70 Bn in 2024 and is projected to reach USD 5.82 Bn by 2032, growing at a CAGR of 17.52% from

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### Top Data Center Cities, Growth Hotspots

Discover the top data center countries and cities of 2025, emerging growth markets, and key infrastructure trends shaping the future of cloud

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### NVIDIA HGX Platform: Data Center Physical

Learn the strict physical requirements for deploying NVIDIA HGX platforms from Hopper to Blackwell. Covers power (10-140 kW/rack), liquid cooling, rack design,

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### Singapore's First Hydrogen-Powered Data Center by

DayOne breaks ground on a 20MW data center in Singapore, featuring renewable energy, SOFC-based hydrogen power, and cutting-edge cooling

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### Future of Hybrid Data Centers in Singapore | Quape

A hybrid architecture might train models using high-density racks in a Singapore colocation environment where data scientists can access petabyte

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### Singapore Data Centers

The Meta Singapore Data Center, Meta's first custom-built facility in Asia, offers advanced infrastructure, high-density power, and a strategic location to serve the

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## Top 10 Data Center Companies in 2025

In an era dominated by cloud computing, artificial intelligence, and high-performance workloads, data centers have evolved from mere physical infrastructure into the powerhouses driving

Oct 28, 2025

## Singapore Data Center

Singapore Data Center - Market Share Analysis, Industry Trends & Statistics, Growth Forecasts (2026 - 2031) - The Singapore Data Center Market size was valued at USD 4.33 billion in

Aug 24, 2025

## Singapore Edge Data Center Market

The Singapore Edge Data Center Market is fueled by rapid AI and IoT adoption, strong government support, and growing demand for low-latency data

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## Singapore Data Centers: Pocket-Sized Powerhouse

Singapore's main strengths as a data center market are its favorable location, low language barrier (English is widely spoken), highly educated

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## JetCool Expands SmartPlate™ System Portfolio with Closed-Loop

Sealed, direct-to-chip cooling unlocks higher performance and efficiency with no facility water or data center retrofits required JetCool, a Flex (NASDAQ: FLEX) company and leading

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## DayOne Begins Work on 20MW Green Data Centre in

DayOne breaks ground on its first data centre in Singapore, a 20MW facility with 100% renewables to support AI and high-density computing

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## Premier Data Center in Singapore | Sustainable and

Explore Keppel DC Singapore 3, offering sustainable and high-density colocation with advanced security and seamless connectivity. With 133,878 sq. ft. of state-of

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## Data Center Rack Market Forecasts 2025-2030

With data centers developing according to high-density computing and edge deployments, organizations and colocation vendors focus on professional

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## Global Data Center Trends 2024

Artificial intelligence (AI) advancements are projected to significantly drive future data center demand. High-performance computing will require rapid

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## DayOne breaks ground on green AI data centre in

Designed with sustainability at its core, the facility will support high-density air-cooled graphics processing units (GPUs) powered by green energy. It

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## DayOne breaks ground on first Singapore data center

The DayOne facility supports Singapore's broader ambition to add at least 300MW of data center capacity over the near term, as outlined in the Digital

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## Malaysia Cloud & Datacenter Convention 2026

This session examines the cybersecurity risks facing AI-ready, high-density data centers in Malaysia and outlines strategies to protect critical infrastructure, data,

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## Top 10 Data Center Providers in India to Watch in 2025

India is one of the fastest-growing data center market globally. Demand for data center capacity for India is growing at a fast pace and is

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## Singapore ranks 6th in Established Markets for Data

Singapore is on track to join mainland China, Japan, Australia, and India as markets with over 1GW in operational capacity in 2024.

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### Data Center REITs in 2026: Growth Drivers, Structural

Explore 2026 trends in data center REITs: AI growth, structural risks, and investment opportunities.

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### Equinix to invest \$190m in fourth Malaysia data centre

US data centre company Equinix is set to invest more than \$190m in a new data centre in Kuala Lumpur, marking its fourth facility in Malaysia. The site, designated KL2, will be built in

Jul 20, 2025

### Thailand 100MW AI-Ready Campus | Digital Edge & B.Grimm

Construction is now underway with a target Ready-for-Service (RFS) date in Q4 2026.  
- About Digital Edge Headquartered in Singapore, Digital Edge is a trusted and forward-looking data

## Contact Us

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