

Singapore's DayOne Breaks Ground on First Data Center in Singapore

- DayOne signs Power Purchase Agreement with Sembcorp Power to enable 100% renewable energy for the new data center
- R&D Collaboration with NUS to Drive Tropical Data Center Innovation

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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.

The groundbreaking event also saw the signing of two key strategic partnerships for DayOne – a Power Purchase Agreement (PPA) with Sembcorp Power Pte Ltd, a wholly-owned subsidiary of Sembcorp Industries (Sembcorp) to power its data center where all operations will be fully covered with renewable energy, and a research and development partnership agreement with the National University of Singapore (NUS) to advance data center innovation as part of the Sustainable Tropical Data Center Testbed Phase 2.0 (STDCT 2.0) initiative.

The facility will feature green-powered high-density air-cooled Graphics Processing Unit (GPU) support, hybrid air and liquid cooling technologies. It is also expected to be Singapore's first data center with on-site Solid Oxide Fuel Cell (SOFC) power generation, part of a pioneering proof-of-concept for hydrogen-based energy. By piloting SOFC, DayOne aims to accelerate the adoption of innovative green solutions, enhance diversification of energy sources for the data center industry, and support the city-state's sustainability goals. Both LEED Platinum and BCA Green Mark Platinum (GMDC:2024) certifications will be applied for, aligning with the highest environmental and energy performance standards for data centers.

DayOne was awarded capacity under the Pilot Data Center Call for Application (DC-CFA) by the Infocomm Media Development Authority (IMDA) and the Singapore Economic Development Board (EDB), enabling the development of this flagship site anchoring the successful execution of the Singapore-Johor-Riau Islands (SIJORI) regional strategy. The award reflects confidence in DayOne's advanced energy-efficient solutions and proven capabilities in delivering sustainable digital infrastructure.

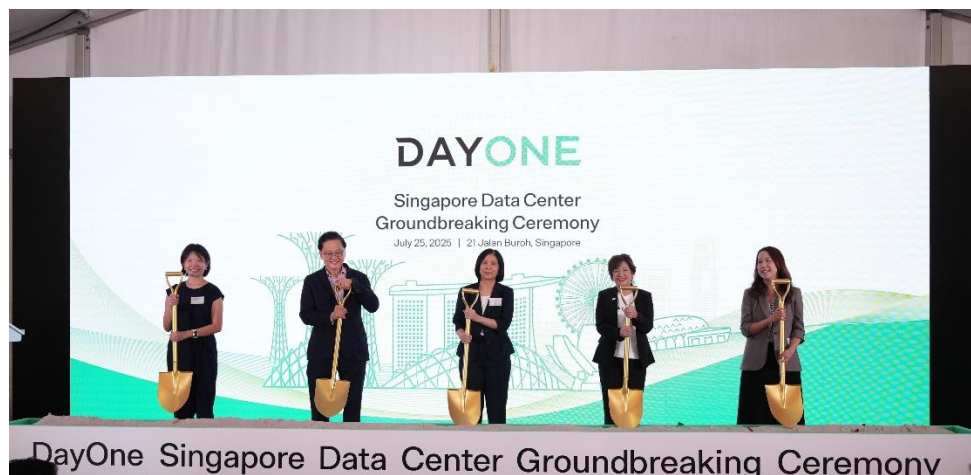
"This facility marks our commitment to Singapore as both home base and regional hub while highlighting our long-term vision to power Southeast Asia's digital transformation with green infrastructure," said Jamie Khoo, Chief Executive Officer of DayOne Data Centers. "Our

SG1 facility is an important milestone and a contribution to the nation's ambition of being an AI-ready, sustainable digital economy. Backed by strong public-private collaboration, we're building infrastructure that is purpose-built for AI workloads, cloud computing and innovation."



Welcome Address by Ms. Jamie Khoo, CEO of DayOne

The groundbreaking ceremony was attended by senior government and industry leaders, including Ms. Aileen Chia, Deputy Chief Executive, Infocomm Media Development Authority (IMDA); Ms. Seah Yueh Chinn, Vice President, Digital Industry Singapore (DISG); and Ms. Christine Wong, Assistant Chief Executive Officer, JTC Corporation. Also in attendance were Mr. Lim Ah Doo, Co-Chairman of DayOne; Ms. Jamie Khoo, CEO of DayOne; Mr. Koh Chiap Khiong, President & CEO, Gas and Related Services and CEO, Singapore, Sembcorp Industries; Professor Lee Poh Seng, National University of Singapore (NUS); and other partners.



From left to right:

Ms. Seah Yueh Chinn, Vice President, Digital Industry Singapore (DISG);

Mr. Lim Ah Doo, Co-Chairman of DayOne;

Ms. Aileen Chia, Deputy Chief Executive, Infocomm Media Development Authority (IMDA);

Ms. Jamie Khoo, CEO of DayOne;

Ms. Christine Wong, Assistant Chief Executive Officer, JTC Corporation

"Congratulations to DayOne on its first data center in Singapore. Data center operators like DayOne play an important role in advancing energy efficiency and green energy solutions in support of our digital economy and the sustainable growth of data centers in Singapore," said Aileen Chia, Deputy Chief Executive, Infocomm Media Development Authority (IMDA). "IMDA will continue to partner the industry to develop sustainable digital infrastructures and the ecosystem to serve the digital needs and growth of Singapore."

“We welcome DayOne’s commitment to expand its digital infrastructure in Singapore,” said Seah Yueh Chinn, Vice President, Digital Industry Singapore (DISG). “This new facility will enhance Singapore’s competitiveness by providing access to compute-intensive technologies like AI, while enabling key sectors to manage critical applications and services locally.”

Long-term Partnership with Sembcorp to achieve 100% renewable energy

DayOne formalized a long-term partnership with Sembcorp through a 10-year Power Purchase Agreement (PPA) to supply its facility. The energy will be backed by bundled renewable energy certificates (RECs), sourced locally or imported via grid-to-grid connection. This strategic agreement marks a significant milestone in DayOne’s journey towards 100% renewable electricity, reinforcing its commitment to sustainability and clean energy adoption. This partnership lays the foundation for continued collaboration to support DayOne’s future growth and expansion.

“The rapid rise of AI infrastructure is driving unprecedented energy demand — and meeting this demand sustainably is critical to the future of the data center industry,” said Koh Chiap Khiong, President & CEO, Gas and Related Services and CEO, Singapore at Sembcorp Industries. “By providing scalable and reliable renewable energy, we enable data centers to grow responsibly. Our collaboration with DayOne reflects this commitment to powering the next generation of digital infrastructure with clean, future-ready solutions.”



From left to right:
Ms. Jamie Khoo, CEO of DayOne;
Mr. Koh Chiap Khiong, President & CEO, Gas and Related Services and CEO, Singapore, Sembcorp Industries

R&D Partnership with National University of Singapore

Additionally, DayOne launched a new research and development partnership with the National University of Singapore (NUS) to jointly explore innovative technologies that improve data center efficiency and sustainability. The partnership will support activities under the Sustainable Tropical Data Center Testbed Phase 2.0 (STDCT 2.0), including pilot-scale testing of novel cooling solutions in tropical climates.

“This initiative underscores our collective commitment to reimagine how data centers in the tropics can perform effectively and sustainably,” said Professor Lee Poh Seng, STDCT Program Director and Head, Department of Mechanical Engineering, College of Design and Engineering at NUS. “Through the

Sustainable Tropical Data Center Testbed 2.0, we are field testing breakthroughs—from flexible-fuel generators/fuel cells to next generation liquid cooling—to demonstrate sustainability and high performance can go hand in hand. Together, we’re laying the foundation for a new class of energy efficient, climate resilient digital infrastructure in Singapore and across the region.”



From left to right:
Ms. Jamie Khoo, CEO of DayOne;
Professor Lee Poh Seng, National University of Singapore (NUS)

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 Connectivity Blueprint, a government framework to enhance global digital linkages and ensure the sustainable growth of foundational infrastructure. It also aligns with Singapore’s National AI Strategy 2.0, which emphasizes the development of robust compute infrastructure to support AI innovation, model training and adoption across sectors.

DayOne’s Singapore data center forms part of DayOne’s larger ambition to support digital transformation across the SIJORI Growth Triangle and build a resilient, low-carbon digital backbone for Southeast Asia. Established in 2022 and operating as an independent group since 2025, DayOne develops and operates data centers across Singapore, Malaysia, Indonesia, Thailand, Japan, Hong Kong SAR, and other key markets.