



Global Data Centers | Site brochure

Osaka OSK12 Data Center

Solutions with intelligence built in



Osaka OSK12 Data Center

Powering the Future of Digital Infrastructure.



Osaka OSK12 Data Center

Our Osaka OSK12 Data Center, provided by NTT Global Data Center, is the first phase of 36MW campus. Located in Osaka Prefecture, it supports businesses seeking stable and reliable services in the Kansai region and across western Japan.

The Kansai region is one of the fastest-growing data center service markets in Asia Pacific, following the Tokyo metropolitan area. Once known primarily as a secondary location for disaster recovery and backup data centers, the region is now rapidly evolving into a key hub for hyperscalers serving the Kansai and broader western Japan markets.

The Osaka data center market is projected to grow at a compound annual growth rate (CAGR) of 19%* over the next five years.

Facility

The building is a 3-story, Seismic isolation structure that stably supplies a total of 18MW of IT load to approximately 5,000m² of server room space.

In compliance with international data center standards equivalent to Uptime Tier III and Japan's Tier 3 (J-Tier 3), the facility features redundant power, cooling, and communications infrastructure, along with enhanced disaster preparedness and security. In addition, energy-efficient systems support the delivery of sustainable and reliable services.

The electrical systems are designed with a distributed redundant configuration that eliminates any single point of failure. The building, mechanical, and electrical systems are all engineered to provide a high degree of flexibility.

Why Osaka?

Osaka OSK12 Data Center is located about 35 minutes by car from central Osaka and about 30 minutes from Itami Airport. The site, situated in Ibaraki City, Osaka Prefecture, sits on flat land at an elevation of around 36 meters above sea level and is in an area with low risk of natural disaster.

Adoption of Cutting-Edge Technology

Osaka OSK12 Data Center is designed to support the rapidly growing demand for AI by providing an environment ready for emerging technologies such as Direct Liquid Cooling (DLC).

Leveraging group-wide assets, NTT Global Data Centers enables the early implementation and deployment of next-generation technologies like IOWN (Innovative Optical and Wireless Network). By establishing IWON APN connectivity between group data centers and customers' facilities, this site can also function as an extension of existing data center infrastructure.



Infrastructure (OSK12)



Data center space

- 5,000m² of IT space
- Parking spaces, Meeting rooms, Rental offices and Customer storage are available
- Purpose-built disaster recovery center for clients needing a 24/7 IT operations room and disaster recovery
- Cages and suites solutions



Cooling

- Water-cooling system in N+1 configuration
- Wall-blown air-conditioning
- Humidity is controlled via humidifiers and dehumidifiers. Fresh air is supplied by air handling units to maintain positive pressure in the data halls.
- DLC (Direct Liquid Cooling) and others are also available
- Hot Aisle Containment Compatibility



Building power

- Dual Power Supply System
- Power Capacity for IT equipment: 18MW
- Power receiving: 2N 77kV Utility Power
- Diesel generator or Gas turbine backup 48 hours without refuel in N+1 configuration



Colocation room power

- Dual Power Supply
- Generator + UPS in 4N/3 configuration



Fire protection

- Aspirating Smoke Detector
- N2 gas fire extinguishing system



Security

- 24x7 on-site security presence
- Surveillance Cameras (Installed at entire site perimeter, entrance, passageways, and cold/hot aisles)
- Multiple managed security layers, including anti-tailgating at the building entrance, IC card and biometric authentication, and a mantrap at the data hall entrance.
- 2.5-meter perimeter fence installed around the entire site



Global data center network

- Part of the NTT DATA family
- Connectivity options to our global network



Connectivity

- Carrier-neutral data center campus with diverse connectivity solutions
- Four building cable entry points
- Two Meet Me Rooms

Infrastructure (OSK12)



Additional services

- Basic Remote Hand Support
- Advanced Remote Hand Support
 - *Provide demand-base customized operation
- In-building Wiring Service



Certifications (Considering obtaining)

- ISO27001
- PCI DSS
- SOC1 Type2
- SOC2 Type2

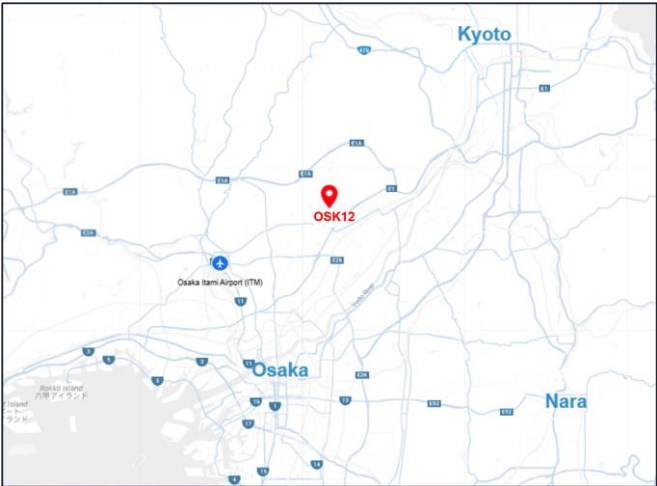
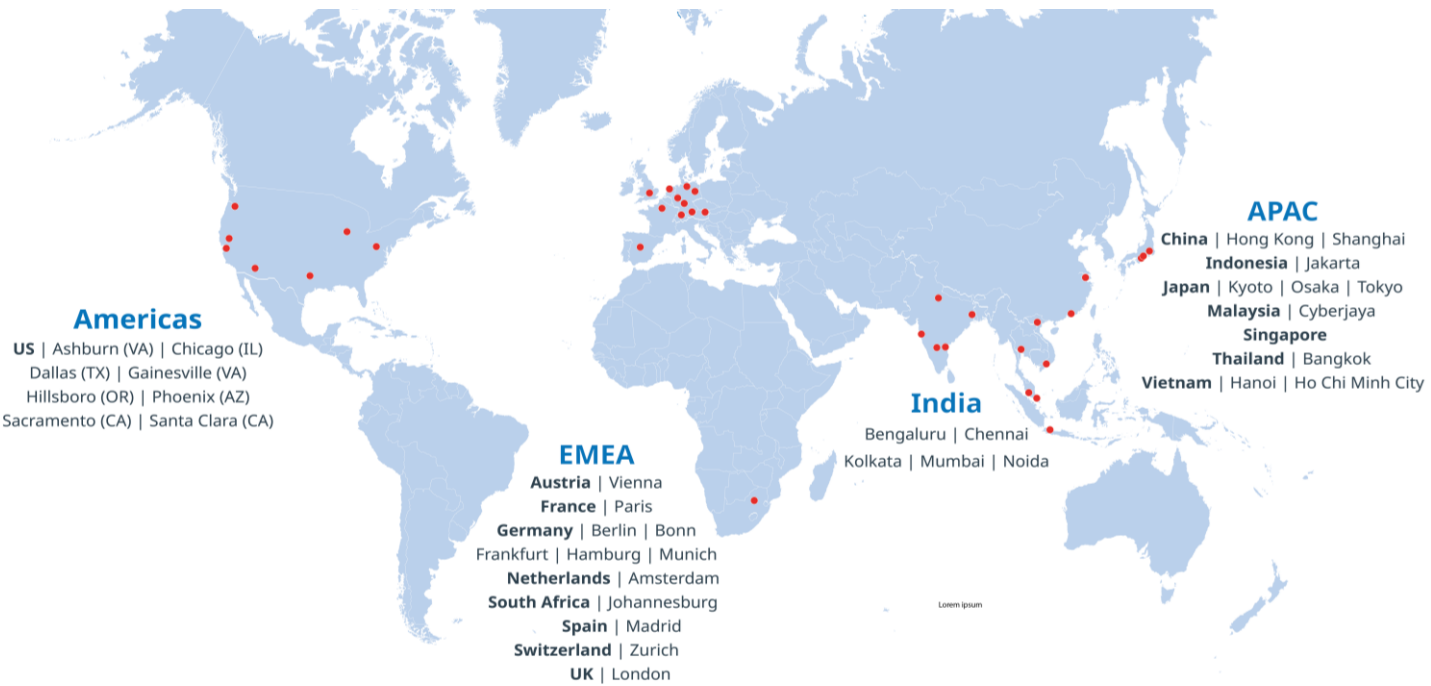
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Strategically located in Japan's Kansai region, the Osaka OSK12 Data Center is part of one of APAC's fastest-growing data center markets—second only to Greater Tokyo. With a projected CAGR of 19% over the next five years, Osaka is rapidly emerging as a key digital hub in the region.



We are where your business is

We're operating multiple data centers in 20+ countries and regions



Osaka OSK12 Data Center

Japan | Osaka

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About Global Data Centers

Global Data Centers, a division of NTT DATA, operates one of the largest data center platforms in the world with more than 160 data centers in over 20 countries and regions spanning North America, Asia Pacific, EMEA, and India. As a neutral operator, we offer access to multiple cloud providers, a wide variety of internet exchanges, and telecommunication network providers, including our own IPv6-compliant Tier 1 Global IP Network.

As a global industry leader, we excel in powering large-scale high-density and AI infrastructures that deliver scalable power and cooling solutions with unmatched efficiency and reliability. We are ready to facilitate client adoption of next-generation technologies for computing at scale, virtualization, data migration, and cloud and B2B private connectivity regionally and globally.

We are committed to operating our data centers with net-zero emissions across our operations by 2030 and in the entire value chain by 2040, as recognized by SBTi (Science-Based Targets initiative). As part of this commitment, we aim to power our data centers with 100% renewable or low carbon energy by 2030.

Visit us at services.global.ntt/globaldatacenters

