

Global Data Centers | Site brochure

Bangkok Data Centers

Investing in the future



Worldwide scale, local expertise

Bangkok, the vibrant capital of Thailand, stands as a bustling hub for economic activities, with a dynamic marketplace that reflects the country's rapid technological Advancements.



The Bangkok market is characterized by a diverse and expanding economy, driven by sectors ranging from tourism to manufacturing. Amidst this economic dynamism, the data center business has emerged as a pivotal player, playing a crucial role in supporting the digital infrastructure essential for various industries.

The demand for data center services in Bangkok has experienced significant growth, fueled by the escalating reliance on digital technologies and the burgeoning e-commerce sector. As businesses increasingly migrate towards cloud-based solutions, data centers become the backbone of their operations, offering secure and scalable storage solutions.

This surge in demand has led to the establishment and expansion of several state-of-the-art data centers in Bangkok, equipped with cutting-edge technologies to ensure efficiency, reliability, and data security.

The Bangkok market's data center landscape is marked by both local and international players, contributing to a competitive and innovative environment. The city's strategic geographical location further enhances its appeal as a regional data hub, attracting businesses looking for connectivity and accessibility in the Southeast Asian region.

As Bangkok continues to position itself as a key player in the global digital economy, the data center business is poised for sustained growth. The market's trajectory reflects not only the city's economic prowess but also its commitment to technological advancement, making it a compelling destination for businesses seeking a robust and reliable digital Infrastructure.

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The city's strategic location attracts companies looking for connectivity and accessibility.



Bangkok 2 Data Center (BKK2)

Our Bangkok 2 Data Center is Thailand's first purpose-built data center and the first in the country to receive the TIA-942-C Facility Certification at Rated-3 level.

Features and benefits

Low-risk location

Our Bangkok 2 Data Center is located in the Amata Nakorn industrial area and is 50-minute drive away from Suvarnabhumi International Airport. It is 4km away from the closest river, and 7km away from the Gulf of Thailand. The area has a low risk of being affected by natural disasters. It's also less subject to political demonstrations.

First in Thailand

Bangkok 2 has a total floor area of 9,600m² (approximately 1,500 racks). All the facilities are fully redundant in 2N configuration, and the facility configurations are flexibly customizable to meet a variety of needs.

BCP Annex

This data center includes office space for use during business continuity planning (BCP).

“ Bangkok 2 is the first purpose-built data center in Thailand.



Infrastructure (BKK2)



Data center space

- 5,000m² of IT space
- Purpose-built data center building, 4-stories
- Loading capacity of floor: 1,250kg/m²
- Office space for client service to meet BCP requirement



Cooling

- Water-cooling system in N+1 configuration
- Downflow type/hot and cold aisle design



Power

- 9.5MVA dual path power receiving
- 5MW of Client IT load
- Dual feed to each rack, single phase 220V
- UPS system in 2N configuration
- Diesel generator in 2N configuration
- Renewal energy ready



Fire protection

- Very Intelligent Early Warning system (VIEW)
- N2 gas fire suppression system
- Smoke & heat detector
- Pre-action dry sprinkle system



Security

- 24/7 on-site security
- CCTV surveillance cameras
- Two factors authentication
- Mantrap area
- No window in server room
- Anti-tailgating system



Global data center network

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



Connectivity

- Carrier neutral policy
- Carrier-mix from global Tier 1 supplier to regional supplier (TOT, TRUE, SYM, AWN, CAT, etc.)
- Inter data center connectivity between our data centers, ISP, etc.



Additional services

- Service desk 24/7 with English & local language
- Basic Remote Hands Service
- Advanced Remote Hands Service



Certifications

- ISO 27001
- Rated III TIA-942-C Facilities Certification (DCCC)
- ISO 50001
- PCI DSS
- ISAE 3402*

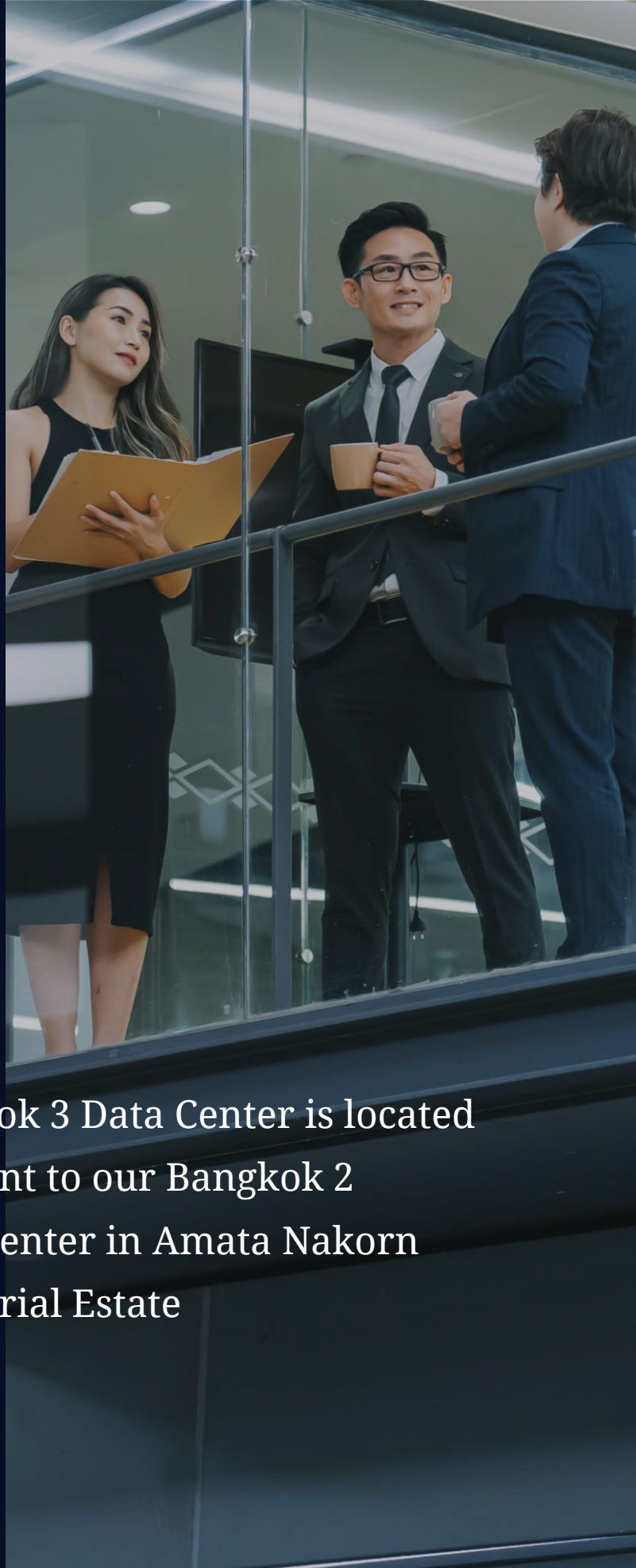
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Bangkok 3 Data Center (BKK3)

Our Bangkok 3 Data Center is located adjacent to our Bangkok 2 Data Center in Amata Nakorn Industrial Estate, a 50-minute drive from Suvarnabhumi International Airport. The area is considered low risk for tsunamis and floods.

Bangkok 3 will offer 14MW once fully built out and will provide complete solutions for housing your IT and network systems in a secure, high-availability environment.



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Bangkok 3 Data Center is located adjacent to our Bangkok 2 Data Center in Amata Nakorn Industrial Estate

Infrastructure (BKK3)



Data center space

- 4,000m² of IT space
- Purpose-built data center building, 3-stories



Cooling

- Cooling Fan wall in N+2 cooling system
- CRAH (Up flow/ Downflow) in N+1 configuration



Power

- Dual path power receiving
- 14MW of Client IT load once fully built out
- UPS system in N+1 and 2N configuration
- Diesel generator in N+1 and 2N configuration
- Dual feed to each rack
- Support High-Density Rack up to 40kW per rack



Fire protection

- Very intelligent early warning (VIEW)
- Highly Sensitive Smoke & heat detector
- Pre-action dry sprinkle system



Security

- 24/7 on-site security
- CCTV surveillance cameras
- Two factors authentication
- Mantrap area
- No window in server room
- Anti-tailgating system
- Secure loading dock
- Integrated circuit (IC) card authentication and biometric authentication



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
- Integrated with NTT's Global Tier-1 IP Network, MPLS, Multicloud Connect, CT internet, CU internet, BGP internet
- NTT Enterprise Internet service (EIS)
- Interconnected network for a reliable digital supply chain ecosystem



Certifications

- ISO 27001:2022 (ISMS)
- PCI DSS Version 4.0
- SOC2 Type2 (SSAE-18)
- TVRA
- Rated III TIA-942-C Design Certification (DCDV)
- Rated III TIA-942-C Site/Facilities Certification (DCCC)
- ISO 45001: 2018 (regulations based on Occupational Health & Safety (OH&S))
- ISO 50001:2018 - Energy management systems (EnMS)

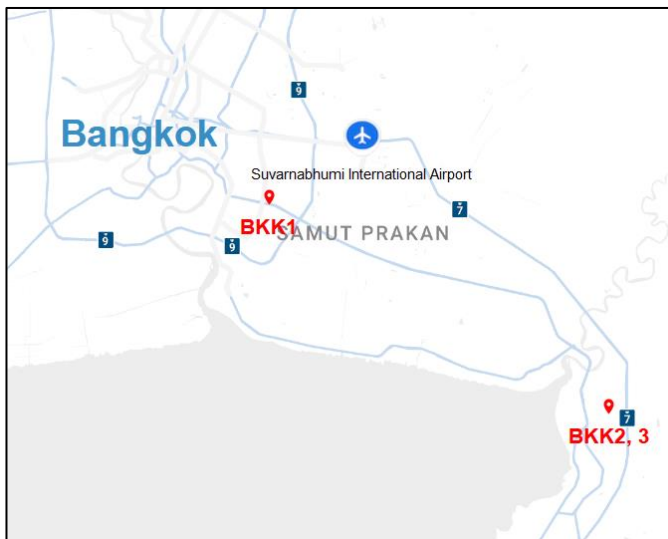
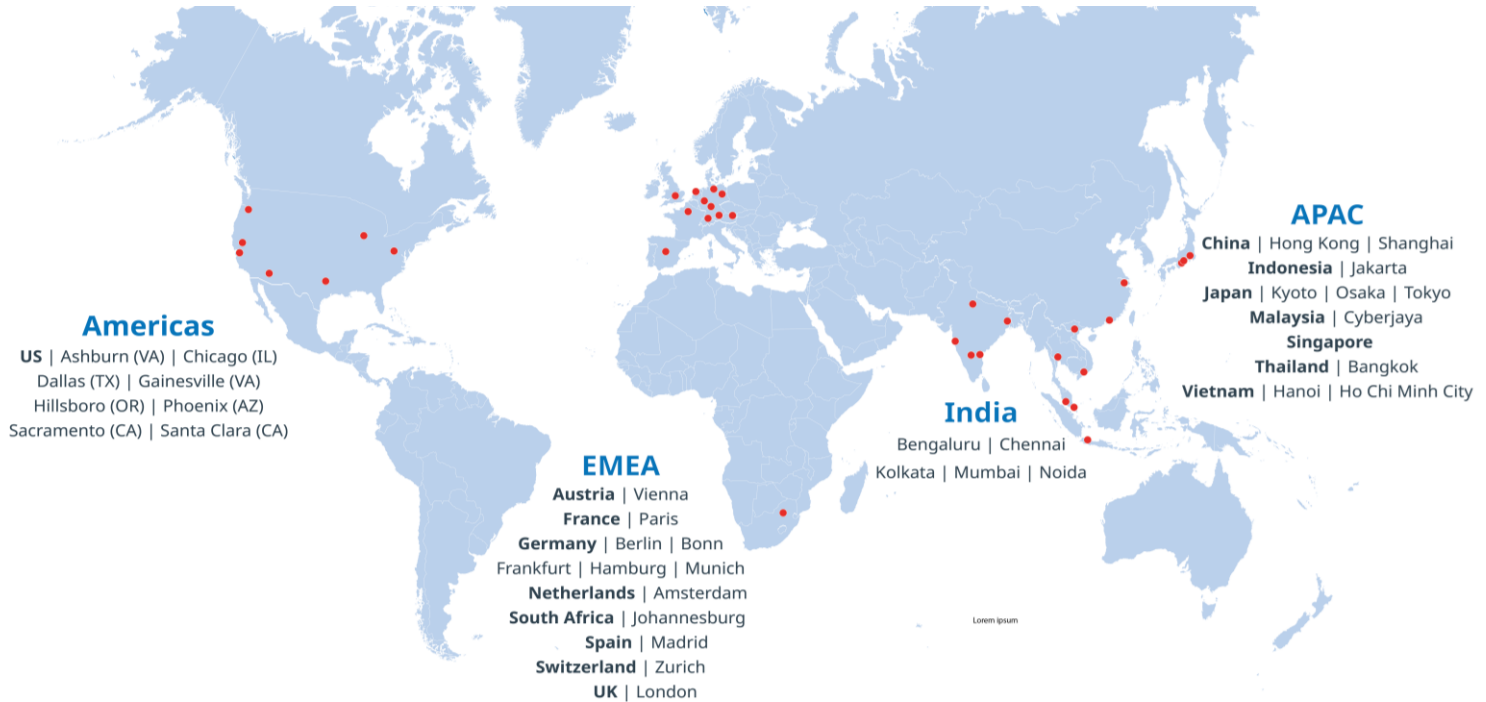


Additional services

- Service desk 24/7 with English & local language
- Basic Remote Hands Service
- Advanced Remote Hands Service

We are where your business is

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



Bangkok 1 Data Center
Bangna district in Bangkok

Bangkok 2 Data Center
Bangkok 3 Data Center
Amata Nakorn Industrial Estate

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NTT Global Data Centers

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

