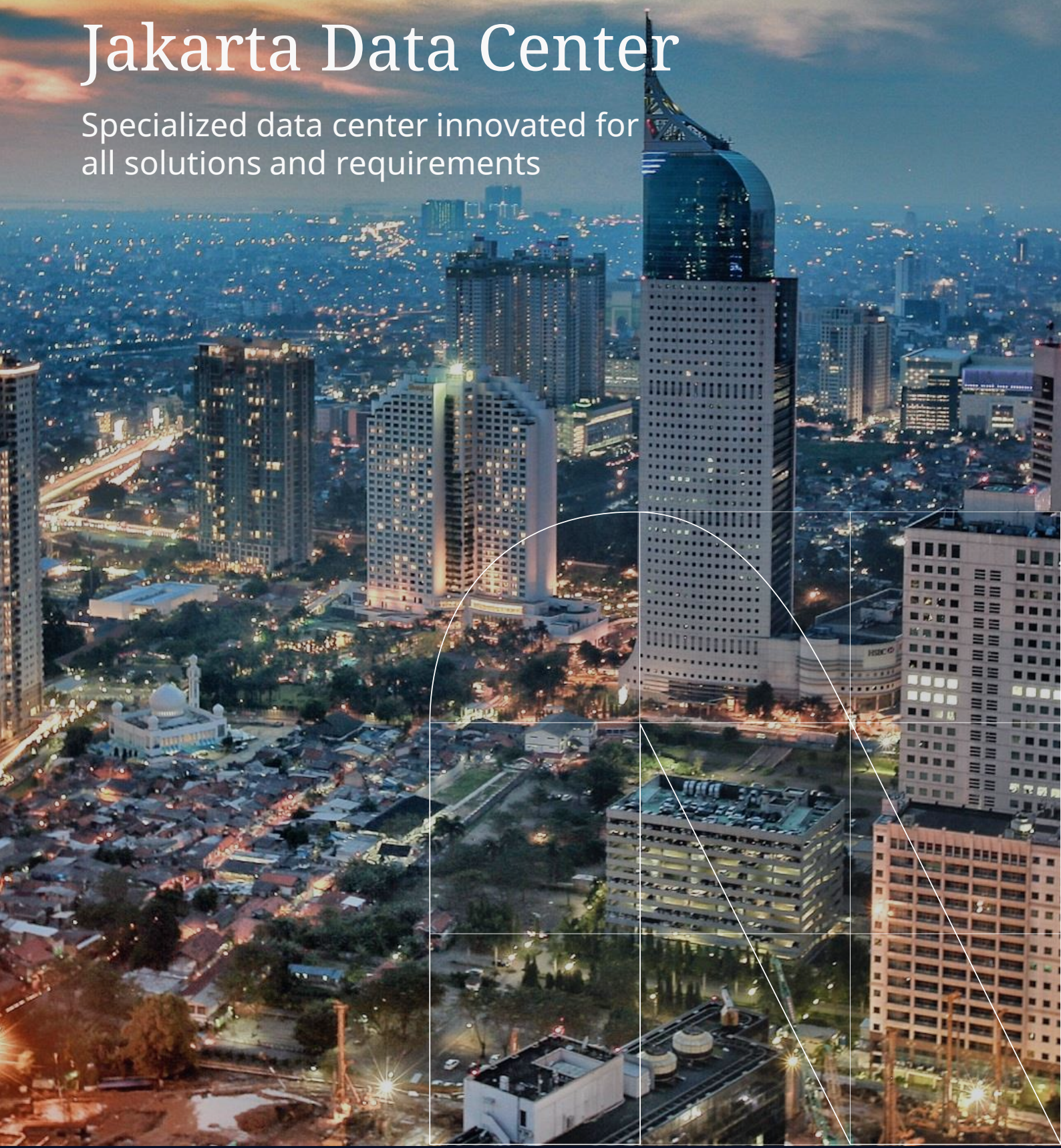# NTT DATA

Global Data Centers | Site brochure

Jakarta Data Center

Specialized data center innovated for
all solutions and requirements

Worldwide scale, local expertise

Jakarta, the vibrant capital of Indonesia, stands as a thriving economic hub, steering the nation's progress and development.

The Jakarta market is characterized by its diverse economic activities, ranging from traditional industries to the forefront of technological innovation. In this dynamic landscape, the importance of data centers has become increasingly evident, playing a crucial role in supporting and propelling Jakarta's economic growth. Data centers are pivotal to the Jakarta market for several compelling reasons. As businesses across various sectors embrace digital transformation, the demand for secure, scalable, and efficient data storage and processing solutions has surged. Our data centers serve as the backbone for enterprises, facilitating the storage and management of vast amounts of data generated in the era of big data analytics. The burgeoning e-commerce sector, a significant driver of Jakarta's economic activity, relies heavily on data centers to ensure seamless online transactions, secure payment gateways, and efficient logistics management.

Additionally, the finance and banking industry, a cornerstone of Jakarta's economy, places a premium on data security and reliability, making robust data center infrastructure indispensable. Furthermore, as Jakarta positions itself as a smart city, data centers play a crucial role in supporting initiatives related to digital governance, urban planning, and the development of intelligent infrastructure. The efficient functioning of government services, online education platforms, and healthcare systems in Jakarta is intricately linked to the capabilities of data centers. The data center footprint expansion in Indonesia is part of the ongoing growth strategy by the Global Data Centers division of NTT DATA, which operates one of the largest data center platforms in the world. Indonesia is emerging as one of the region's fastest-growing markets for data center space due to resource availability and government policy.

A solution for every Requirement

Jakarta 3 is capable of up to 18,000m² of IT space and 45MW of critical IT load once fully developed. The first building is 15MW. It's equipped with highly reliable and scalable facilities, multiple power stations for a more stable supply of power, UPS systems and a self-powered generator.

We offer high availability service level agreements, and a data center designed to host mission-critical computer systems, telecommunication facilities and storage environments with fully redundant subsystems and compartmentalized security zones.

The explosion of data due to the dramatically high increase of internet and mobile usage in the country, are drivers for the data center market and disaster recovery growth in Indonesia.

In this digital era, we see an extensive shift in business priorities driving local enterprises to adopt multicloud strategies. Therefore, the demand for hosting infrastructure services will increase as more organizations in Indonesia investigate the digital transformation journey. Increased content and digital media consumption make Indonesia the largest data center market in Southeast Asia.

Jakarta 2 Data Center (JKT2)
Jakarta 2 Annex Data Center (JKT2A)

Jakarta 2, 2A Data Center are located in central Jakarta, a 40-minute drive (about 20km) from Soekarno Hatta International Airport with a highly scalable capacity of 2,800 colocation racks.

Its network system is one of the few carrier-neutral data centers in Jakarta, connected to 176 ISP/carriers.

Connected is an office building where 3 IXs have been placed in an earthquake-proof tunnel.

In addition, Jakarta 2, 2A Data Center provide network resale services, including operations and maintenance, to telecommunications operators in Indonesia.

“ We provide resale services for local carrier networks, including operation and maintenance services.

Infrastructure (JKT2)

Data center space

- 5,400+m² of IT space
- Purpose-built data center, 8-Storeys
- Loading capacity of floor: 1,000kg/m²
- Meeting and conference room
- Office space for clients

Cooling

- Water cooling system in N+1 configuration
- Down-flow Blow-out type

Power

- 9.4MW Client IT load
- Dual power feed to each rack, power supply to a rack: up to 5.5kVA
- UPS system in 2N configuration
- Diesel generator in N+1 configuration

Fire protection

- Very Early Smoke Detection Alarm system (VESDA)
- Dry-pipe sprinkler system
- Firefighting system based on an IG-55 gas fire suppression system

Security

- 24/7 onsite security presence
- CCTV surveillance cameras
- Pre-registration, photo identification, anti-tailgating system, IC card, fingerprint authentication and PIN

Global data center network

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

Connectivity

- Carrier neutral policy
- Global IP network and Major Internet Exchange Local Major Network service providers
- 176 ISP/carriers
- 3 IX reside in the data cent

Certifications

- ISO 27001
- PCI DSS
- TVRA
- Local regulations (PB19/15 PP82-2012)
- Uptime Tier III TCDD/TCCF

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Infrastructure (JKT2 Annex)

Data center space

- 5,800+m² of IT space, (970m² per floor x 6 floors)
- Flexible colocation deployments: single rack colocation, cages, suites
- Ancillary space options (offices, storage and staging rooms) are available
- Common areas such as meeting rooms

Cooling

- Air cooled chiller systems of N+1 configuration for 6 data halls
- CRAH units are N+2 configuration for each data hall
- Concurrently maintainable air handling units (AHUs)
- providing fresh air pressurization and humidity control to data suites
- Cold aisle containment to support high densities and maximize efficiencies

Power

- Power supplied by two substations of 20kV each
- Client IT load of 12MW, 2MW per data hall
- 4.15kw/rack (wholesale : 481 rack/data hall) 5.68kw/rack (cage layout : 352 rack/data hall)
- Two separate UPS systems (A- and B-supply) with 2N redundancy 5 minutes lithium-ion battery
- Redundantly designed emergency power system with diesel generators N+1 parallel redundant

Fire protection

- Very Early Smoke Detection Apparatus system (VESDA)
- Addressable fire alarm panel and detection system
- High-pressure water mist fire suppression system
- Environmentally friendly gas suppression system (optional)

Security

- 24/7 Security Operations Center and Operation Control Center
- Redundant monitoring of all critical functions underpinned by standardized security processes and the multilevel security zone principle, secures the rental area and the technical operation
- Fencing supported by a security perimeter fence to protect the campus

Global data center network

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

Connectivity

- Carrier and cloud-neutral
- Carrier-Access-Rooms per building
- Carrier-Meet-Me-Rooms
- Carrier-mix from global Tier 1 supplier to regional supplier
- Redundant, structural cabling infrastructure with diverse paths
- Inter data center connectivity between our data center in the same campus which has the highest number of ISP/carrier (total 176) and 3 major IXs (incl Top IX operated by NTT DATA)
- Multi Service Interconnection Platform to connect our clients to major cloud service providers such as Amazon Web Services, Microsoft Azure and Google Cloud Platform

Certifications

- ISO 27001
- PCI DSS
- Uptime Tier3 certification
- LEED v4 Silver by US Green Building Council
- Renewal energy certificate (REC)

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Additional services

- Consulting, general and implementation planning for development projects
- Client Implementation Services
- Installation Services
- 24/7 Remote Hands Services
- Facility Services
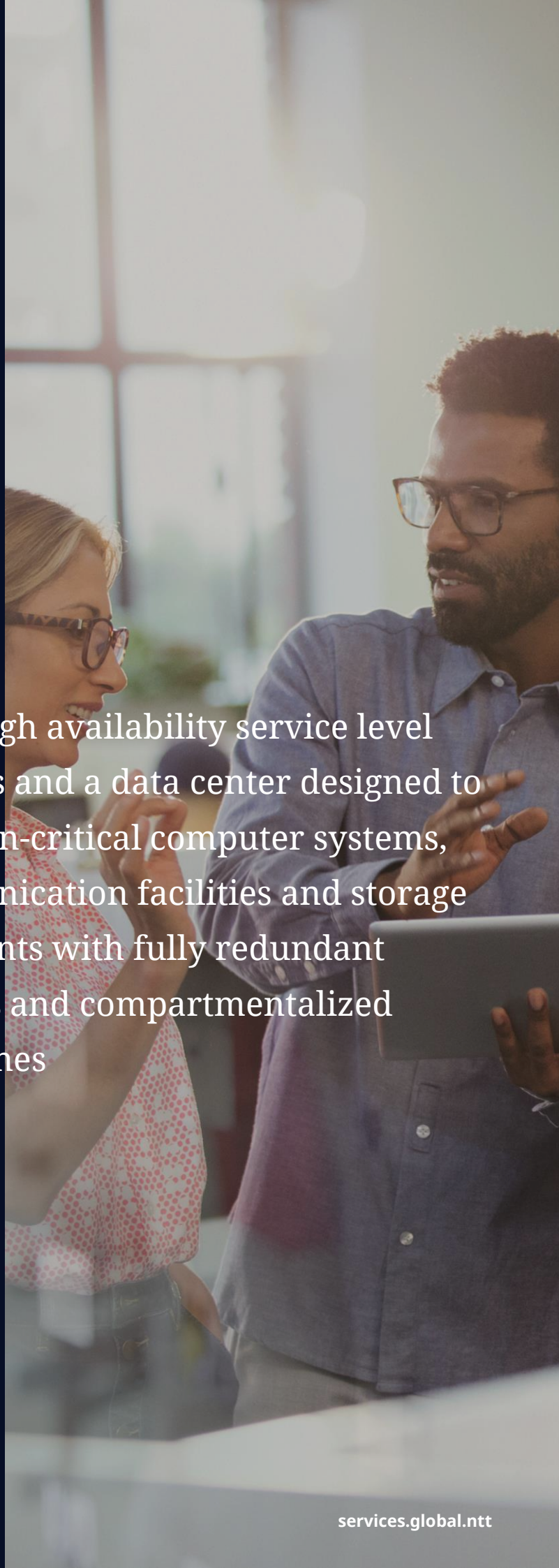- Additional Security Service

Service level agreement

- 99.982% power uptime availability
- Connectivity availability
- Climate control conditions in line with ASHRAE guidelines

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Jakarta 3 Data Center (JKT3)

As a leading global technology services company, we are developing a new data center campus in Cibitung, Bekasi, Indonesia, which is 30km away from Jakarta 2 Data Center. The new campus, known as Jakarta 3 Data Center, is capable of up to 18,000m² of IT space and 45MW IT load once fully developed.

> " We offer high availability service level agreements and a data center designed to host mission-critical computer systems, telecommunication facilities and storage environments with fully redundant subsystems and compartmentalized security zones

Infrastructure (JKT3)

Data center space

- 18,000m² of IT space once fully build out
- Purpose-built data center; 2 pod x 4 floor x 3 buildings (block)
- Loading capacity of floor: 2,000kg/m²
- Meeting and conference rooms
- Lobby Lounge and ZEN Lounge equipped with Pods
- Common areas, including a break room and cafeteria

Cooling

- Water cooling system in N+1 configuration
- Side flow/down flow

Power

- Dual path power receiving
- Client IT load of 15.2MW for 1st building with future expansion plans up to 45.6MW
- Dual power feed to each rack; high density (6kW/rack or more)
- UPS system in N+1 configuration
- Diesel generator in N+1 configuration

Fire protection

- Very Early Smoke Detection Alarm system (VESDA)
- Gas fire suppression system (NOVEC1230)

Security

- 24/7 on-site security presence
- Three-meter anti-climb fence surrounding the perimeter
- CCTV surveillance cameras
- Biometric authentication, anti-tailgating system, IC card, photo identification, PIN

Global data center network

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

Connectivity

- Carrier neutral policy
- Global IP network and Major Internet Exchange Local Major Network service providers
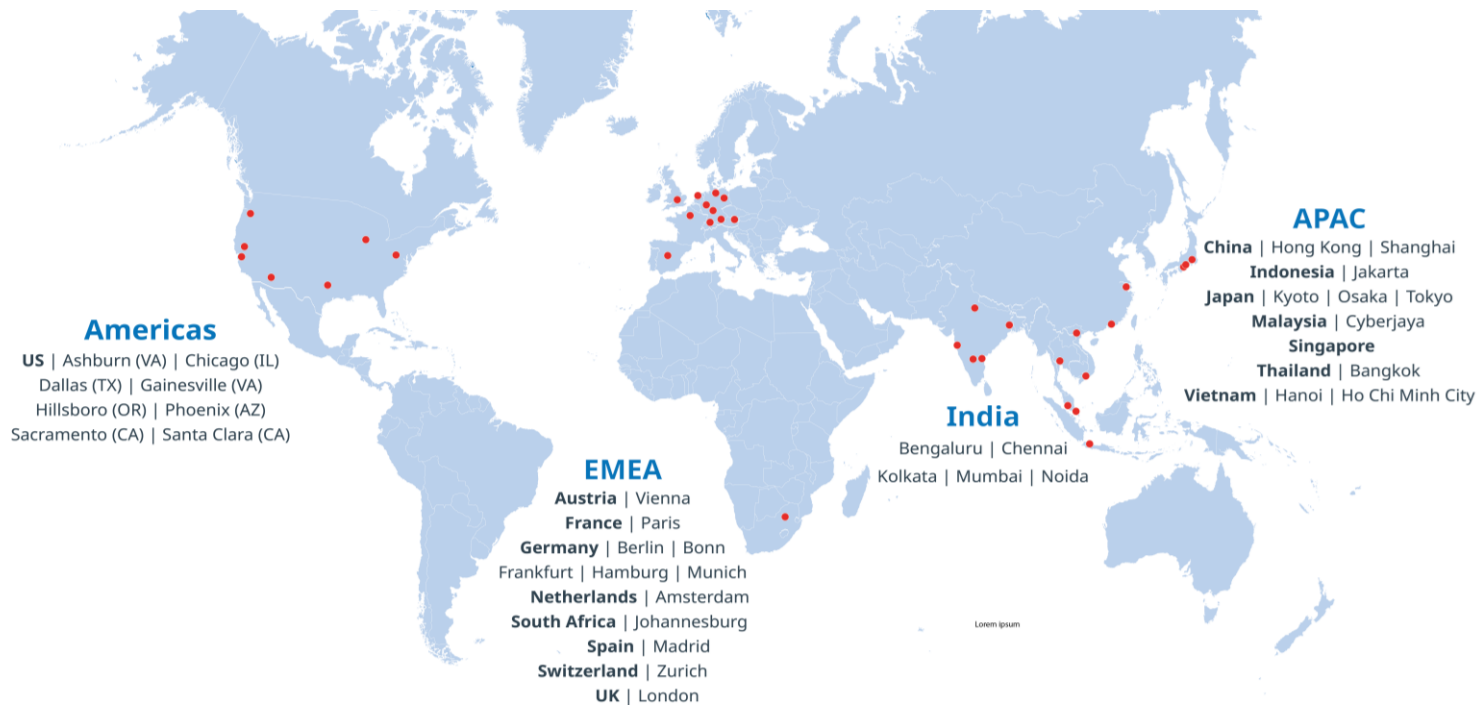- Inter data center connection to Jakarta 2 Data Center

Certifications

- ISO 27001
- PCI DSS
- TVRA
- Uptime Tier 3 TCDD
- POJK (Indonesian Financial Services Authority)
- LEED v4 Silver by US Green Building Council
- Renewal energy certificate (REC)

We are where your business is

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

APAC
China | Hong Kong | Shanghai
Indonesia | Jakarta
Japan | Kyoto | Osaka | Tokyo
Malaysia | Cyberjaya
Singapore
Thailand | Bangkok
Vietnam | Hanoi | Ho Chi Minh City

Americas
US | Ashburn (VA) | Chicago (IL)
Dallas (TX) | Gainesville (VA)
Hillsboro (OR) | Phoenix (AZ)
Sacramento (CA) | Santa Clara (CA)

India
Bengaluru | Chennai
Kolkata | Mumbai | Noida

EMEA
Austria | Vienna
France | Paris
Germany | Berlin | Bonn
Frankfurt | Hamburg | Munich
Netherlands | Amsterdam
South Africa | Johannesburg
Spain | Madrid
Switzerland | Zurich
UK | London

Jakarta 2 Data Center
Jakarta 2 Annex Data Center
Jakarta Central

Jakarta 3 Data Center
Bekasi

Contact:

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in 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 155 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.

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