NTT DATA

Asia Pacific

Ho Chi Minh City 1 Data Center

Core infrastructure for a fast-growing market

The infrastructure needs of companies in Vietnam are changing as the country experiences ongoing economic growth. In response to a clear demand for data center infrastructure in the region, NTT Global Data Centers and QD.TEK have established a joint venture to develop Ho Chi Minh City 1 Data Center (HCMC1).

Data center space

- Hyperscaler-ready concept
- Block flexible redundancy
- UPS bypass colocation deployments: single-rack key locking, 3 phase 4 wires with ground, telemetry
- Colocation, dedicated cages and suites
- Up to 5,000m2 of IT space in the building
- Turnkey build to suites, shell and core solutions
- Ancillary spaces (offices, storages and preinstallation rooms) available
- Common areas, such as meeting rooms, and catering area

Power

- Maximum client IT load of 6MW
- Average power density of 1.2kW/m2
- Block redundant dual power system (A- and B-supply) with N+1 redundancy
- Redundantly designed emergency power system with block redundant diesel generators N+1

Cooling

- Redundant water-cooled system
- Computer room air handlers (CRAH) units in the suites and technical rooms
- 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

Fire protection

- Automatic digital fire-alarm system on all levels with point and air aspiration detectors
- Very Early Smoke Detection Apparatus (VESDA) in the return air path
- Firefighting system based on environmentally friendly extinguishing gas system
- Fire protection walls to a minimum of 90 minutes' separation

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Security

- 24x7 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 technical operations
- Palisade and wall fencing supported by a security perimeter fence to protect the campus
- Video surveillance systems for the external perimeter, plant areas and data halls
- Card swipe entry/exit to all doors and persons separation locks per data center building
- Preventive risk assessment as well as continuous testing and training of operating personnel

Connectivity (planned)

- Carrier-neutral
- Redundant Carrier-Meet-Me-Rooms
- Carrier Access Rooms
- Carrier mix from global Tier 1 supplier to regional supplier
- Connectivity to the major carrier hubs
- Redundant, structural cabling infrastructure with diverse paths
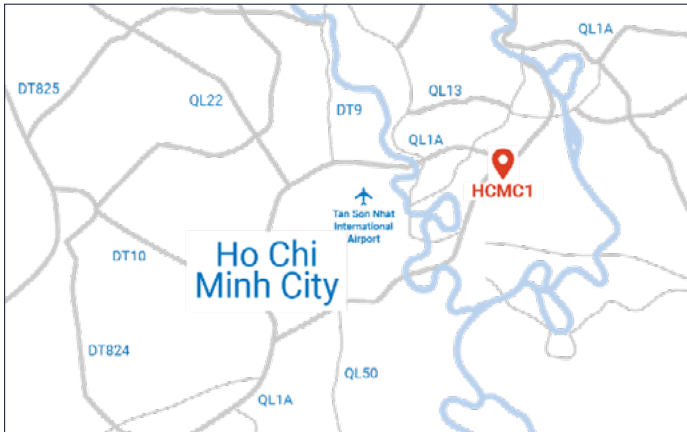- Pre-Cabling to support fast Cross Connect deployments

Additional services

- Disaster recovery office space for financial clients
- Consulting, general and implementation planning for development projects
- Client implementation
- Installation services
- Remote Hands services
- Optional security services

Global data center network

- Connectivity options to the global NTT network

Location

Contact

NTT GDC HCMC1 LLC
Vietnam
gdc.vietnam@global.ntt

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