



CHAKTOMUK DATA CENTER

OUR BRAND



As part of the Mekong River, Chaktomuk is the meeting point of 4 rivers. It is a main point of Phnom Penh City that play a crucial role in the Cambodians daily life.

Our brand mission centered around providing Data Center services with international quality standards that is crucial and convenient to business of all classes. The white lines of the brand logo icons represent the unity and strong network of the four core values uphold by the brand, namely innovative, safety, trust, and technology.

ABOUT US

Chaktomuk Data Center is the first and only Tier III Plus Design Data Center in Cambodia. We provides an ideal environment for the installation of your mission-critical infrastructure. Our carrier-neutral data center facility are both reliable and safe storage location of your valuable data. Located near Camko City, our facility provides seamless interconnection to your business.



- First and Only Fault Resistance Tier III Plus Design
- Carrier-Neutral Data Center
- Disaster Recovery Site
- Location: Corner St. 598 and St. 777, Sangkat Toul Sangke II, Khan Russey Keo, Phnom Penh, Cambodia
- 4,760 sqm of land area
- 12,726 sqm. of floor area
- 7 Storeys Buildings



FACILITY



Designed by Archetype and built by BSN, Chaktomuk dedicated data center facility is expected to be completed by Q4 2021. We are equipped with highly robust infrastructure designed for concurrent maintainability and redundancy to ensure constant availability of your mission-critical equipment and data.

- Consultancy by NTT Global
- Designed and Project Managed by Archetype
- Built by BSN
- Expected completed by Q4 2021
- Designed with
 - Redundancy Power Requirement
 - Concurrent Maintainability
- 3,480 sqm. of dedicated Rack Space Area
- 900 IT racks
- 1 floor for client disaster recovery site

Our Partners



OUR SERVICE



We provide co-location solution for rack space with share service, full rack space, cage rental or DC room rental service. We also provide managed service, IT infrastructure within Data Center. Our meet me room is available for internal interconnection between clients. We have ready infrastructure for cloud hosting, web hosting, internet content hosting, and internet exchange service.

In addition, you may subscribe to our Remote Hand service to allow our on-site technicians to assist you remotely.

We provides 24/7 Customer Service to our customers worldwide.

- Share Rack Space
- Full Rack Space
- Cage Space
- DC Room
- Management of IT infrastructure & service
- Meet me room
- Allow all ISP and Telecom Business
- Remote Hand Service
- 24/7 Customer Service Support

DISASTER RECOVERY SITE



On top of the Data Center service, we are also the first in Cambodia to provide Disaster Recovery (DR) Site, which allow efficient operation even in time of unfavorable situation.

One whole floor is dedicated as a disaster recovery site, provided dedicated fully furnished office rooms ready for our clients to work at all time. All are provided as an add-on service to our clients.



- First Disaster Recovery Site in Cambodia
- 1 Floor of Dedicated Disaster Recovery Site
- Fully Furnished and Fully Ready
- Add-on service

POWER

Our Data Center is connected with 2 separate power distribution lines, N+1 820kVA emergency generators and 200kVA UPS systems, designed with redundancy (N+1) which is rated to run for unlimited hours of operation. Our fuel tanks of 68,000 liter ensure uninterrupted power uptime for normal operation. All routine maintenance service can be performed concurrently without causing any interruption to our operation.

Our MEP equipment is carefully selected in terms of both specification and quality to meet the stringent data center requirement. Our transformers, switch gears, UPS, ACU, CRAC and Busway are provided by Schneider Electric while our gensets are provided by Cummins.

- 2N utility power
- N+1 transformers
- N+1 generators
- N+1 electrical distribution
- 3 kVA maximum rack power supply
- 68,000 liter Fuel Tanks Capacity
- N+1 UPS
- N+2 CRAC for IT





FIRE PROTECTION SYSTEM



Our Data Center Rack space is protected with state of the art gas fire suppression system, selected to provide the first line of defense and ensure no risk of equipment damage by a water-based systems. We have also installed VESDA (Very Early Smoke Detection Apparatus) system, which is a laser based smoke detector.

Rack Space Area

- Fire Detection - VESDA system
- Fire Suppression - Novec 1230 fire suppression system

Common area and office area are fully equipped with fire protection system, including conventional water-based sprinkler system.

Common Area & Office Area

- Fire Detection - Heat Detector, Smoke Detector
- Fire Alarm - Horns and Strobe
- Fire Suppression - Sprinkler, Hose Reel, Hydrant, Extinguisher

WATER LEAK DETECTION



Water leak detection system is installed to detect any water leakage from our CRAC unit, preventing water leakage into our rack space and cause damage to the equipment.

BMS



Our building management system (BMS) function is to centralized the management of the building and also to protect the facility assets.

- Centralized monitors, manages and controls building equipment
- Alert facility problems
- Protect facility assets
- Collect, analyze and manage data
- Occupant safe and comfort

SECURITY



We combine both physical and IT-based security systems from Functional Engineering to ensure that our facility is always safe and secure. In addition to stringent security checks, our Access Control System and CCTV are built to ensure no unauthorized access is possible.

The facility is surrounded with 3 meters of concrete wall fencing, which is resistant to ram and blast, as an additional security level.

- 24/7 Security Guard
- Access Control System backed by Security Monitoring Panel
- 24/7 CCTV Monitoring
- 3m concrete wall fencing



CERTIFICATES



Chaktomuk Data Center are designed to meet Tier III plus data standard to meet rigorous environment and energy management standards. We are currently applying for the following certificates:

- | | |
|---|---------------------------|
| • Tier Classification | Uptime Tier III Compliant |
| • Quality Management | ISO 9001:2015 |
| • Information Security Management System | ISO 27001 |
| • Mission Critical Facilities, Data Centers, Technology Spaces and Electronic Equipment | ASHRAE TC 9.9 |
| • Telecommunications Infrastructure Standards for Data Centers | TIA942 |
| • Payment Card Industry Data Security Standard | PCI DSS |



Contact Us

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