



KLANG VALLEY CORE DATA CENTRE

TM ONE is Malaysia's leading Managed Data Centre Services provider. The business solutions arm of Telekom Malaysia Berhad (TM) Group of companies, **TM ONE** leverages on TM's domestic, regional and international Point-of-Presence (POPs), and is committed in building a carrier-neutral and green Data Centre in Klang Valley.

Located in Cyberjaya, Malaysia, the Klang Valley Data Centre (KVDC) is a carrier neutral and green facility. Connected to the International Gateway for Telekom Malaysia in Cyberjaya, it will provide high value managed services including cloud computing, virtualisation, workspace and collaboration services.

LOCATION

Klang Valley Data Centre, Cyberjaya, Malaysia

- Located in Malaysia's Multimedia Super Corridor
- 30 minutes to Kuala Lumpur CBD
- 30 minutes to Kuala Lumpur International Airport (KLIA and KLIA2)

POWER

- Dual 33kV power feed from 2 separate upstream utility substations, providing up to 20mW capacity built & Green Data Centre
- 2N configuration to protect critical IT load
- Able to support range of power density from 166W/sq. ft. up. Average about 200W/sq. ft.
- Prime rated diesel generators
- On-site standby diesel support up to 48 hours
- Intelligent power meter used to manage power consumption and billing

SPACE BREAKDOWN

400,000	Gross Floor Area (sq. ft.)
90,000	Capacity (whitespace in sq. ft.)
20,000	Office Capacity (whitespace in sq. ft.)
45,000	West Wing (whitespace in sq. ft.)
1.8	Design PUE

CERTIFICATION

- Uptime Institute Tier III Design & Constructed
- Green Building Index (GBI) Certified
- Threat, Vulnerability, Risk Assessment (TVRA)
- LEEDS Certification
- PCI-DSS
- ISO 27001



KLANG VALLEY CORE DATA CENTRE

COOLING SYSTEM

- Concurrently maintainable cooling system
- N+2 CRAC system with built-in maintenance corridor
- N+1 high efficiency chiller system

SECURITY

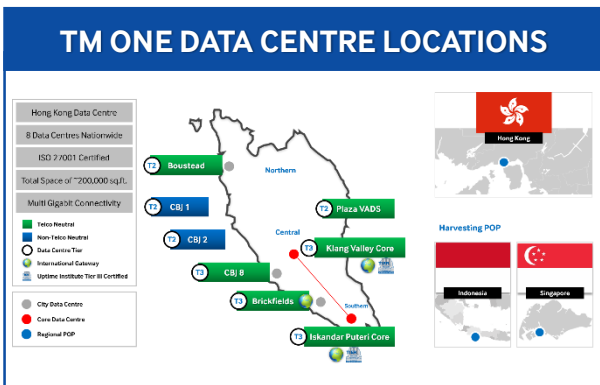
- 24x7 security officers
- Integrated security management system
- Equipped with baggage X-Ray scanner
- Anti-Passback man traps and biometric (dual factors authentication) access control
- Physical: Secure reinforced concrete perimeter fence; anti crash vehicle barrier
- Fence intrusion detection system with perimeter surveillance integration
- Electronic: 90 days recordings; access control with multifactor authentication; biometric scanner
- 9 layers of physical security pass required before gaining access to hosted computer and equipment

FIRE DETECTION & SUPPRESSION

- Fire and smoke detection sensors above and below raised floor
- NOVEC-1230 primary fire suppression system
- Pre-action dry pipe system as secondary fire suppression system
- Early sensitive smoke detection system

TELECOMMUNICATIONS

- 4 diverse fiber paths to external manholes
- 2N distribution network paths within the facility
- Telekom Malaysia Iskandar International Gateway (IIGW)
- Carrier-neutral data centre with rich telco ecosystem
- Twin Core Data Centre - Low latency <4ms. fibre connectivity link to Klang Valley Data Centre which is an ideal primary and secondary data centre set up site infrastructure availability - ~99.982% availability which is ideal for hosting critical systems



SERVICES OFFERED

- Managed Hosting
 - ✓ Retail Rack
 - ✓ Cage
 - ✓ Wholesale
- DC Internet (DCI)
- IP Address
- Metro Connect
- Cloud Connect
- Cross Connect
- DC Infrastructure Management (DCIM)
- Business Suite
- DR Workspace
- Smart Hand

**ISMS
CERTIFIED
DATA
CENTRE**

**8 DATA
CENTRES
NATIONWIDE**

**MULTI
GIGABIT
CONNECTIVITY**

TM ONE is uniquely positioned to address the dynamic requirements of businesses looking at data centre and cloud solutions

Continuous investment in compliance and certifications	Widest combined connectivity and hosting coverage in the Malaysian Market	Expanding portfolio enables capabilities can be achieved through economies of scale
Advisory and integration services with expert presence all across the nation	Dynamically provision resources based changing market demands	One of the largest pool of IT experts available across the nation