



ISKANDAR PUTERI 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 Iskandar Malaysia.

Strategically located between Singapore and Kuala Lumpur, **TM ONE** is positioned to capture slide of regional market by offering high value managed services including cloud computing, virtualisation, workspace and collaboration services.

LOCATION

Nusajaya Tech Park, Iskandar Malaysia, Johor Bahru

- Located in BCA Green Mark district
- 5 minutes from Malaysian Customs, Immigration and Quarantine Complex (CIQ), Tuas Second Link
- 15 minutes to CBD Johor Bahru
- 25 minutes to Senai International Airport
- 35 minutes to CBD Singapore
- 50 minutes to Changi International Airport

SPACE BREAKDOWN

350,000	Gross Floor Area
2	No. of Phases
30,000	East Wing (whitespace in sq. ft.)
60,000	West Wing (whitespace in sq. ft.)
1.6	Design PUE

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.
- Continuous rated diesel generators
- On-site standby diesel support up to 48 hours
- Intelligent power meter used to manage power consumption and billing

CERTIFICATION

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



ISKANDAR PUTERI CORE DATA CENTRE

SECURITY

- 24x7 security officers
- Integrated security management system
- Equipped with mail, parcel and baggage X-ray scanner
- Anti-passback man traps and biometric (triple factor authentication) access control
- Fence intrusion detection system with perimeter surveillance integration
- K4 rated retractable bollards
- 9 levels 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
- Dry pipe pre-actioned system as secondary building protection
- Early sensitive smoke detection system

TELECOMMUNICATIONS

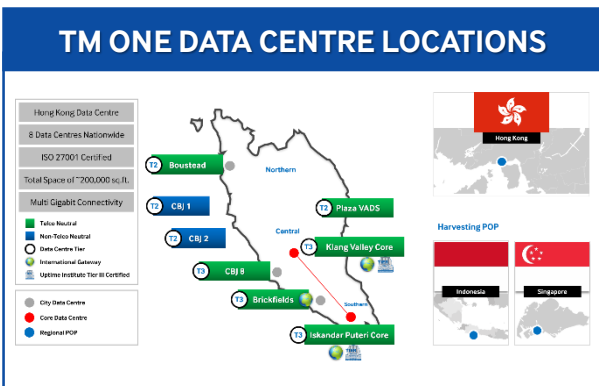
- 4 diverse fiber paths to external manholes
- 2N distribution network paths within the facility
- Telekom Malaysia Iskandar International Gateway (IIGW)
- Carrier-neutral data centre with rich telco ecosystem
- Twin Core Data Centre - Low latency <4ms. fibre connectivity link to Klang Valley Data Centre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

COOLING SYSTEM

- Concurrently maintainable cooling system
- N+2 CRAC system with built-in maintenance corridor
- N+1 high efficiency water cooled chiller
- Pressurised clean data hall
- Integrated Building Management System & Data Centre Infrastructure Management (DCIM)
- 4 diverse fiber paths to external manholes
- 2N distribution network paths within the facility

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

The Business Solutions Arm of Telekom Malaysia Berhad (TM) Group