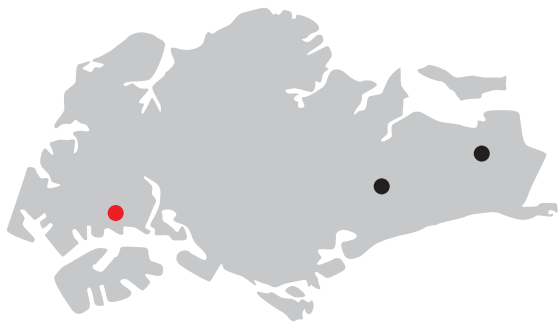# Telin-3: The Data Centre of The Future

A Quick Glance At Telin-3
Data Centre Fact Sheet

Telin-3 is our purpose-built flagship data centre strategically located at Tanjong Kling (previously known as Singapore Data Centre Park). Equipped with a modular and scalable design, this Uptime Institute (UTI) Tier III facility offers 12,000 sqm of IT space which is backed with a service level agreement (SLA) of 100% to help enterprises expand both in Singapore and in the region.

Together with our UTI Tier III certified Telin-1 data centre in Changi, we can provide east-west dual site redundancy and extend your international footprint through our cutting-edge, fully redundant and resilient domestic and international network infrastructure.

General Building Information
- Purpose-built 5-storey facility located in the Singapore Data Centre Park
- Available space for satellite installation on roof
- Slab-to-slab height: 7200mm
- Raised floor height: 900mm
- Gross floor area: 20,000 sqm
- Net leasable area: 12,000 sqm
- Floor loading: 15kN/sqm
- 2 x Independent passenger lifts
- 2 x Independent cargo lifts
- 2 x Independent loading bays
- Building & Construction Authority (BCA) & Infocomm Development Authority of Singapore (IDA) Data Centre Green Mark Platinum

Power System
- Diverse power cable paths
- Fully redundant Diesel Rotary Uninterruptible Power Supply (DRUPS)
- Fully redundant switch board & Uninterruptible Power System (UPS)
- Underground diesel tank at 48 hours of continuous operation at full load

Cooling System
- 2N Fault tolerance chilled water system (Tier IV) & N+1 continuous chilled water system (Tier III)
- CRAC configuration: N+20%
- Diverse routed chilled water risers
- Closed loop chilled water distribution
- 24 hours of onsite non-potable water storage
- Two diverse water mains to the cooling towers from PUB & NEWater

Advanced Fire Detection and Suppression System
- 2-hour fire rated doors & partitions Very Early Warning Fire Detection (VEWFD) system
- Gaseous fire suppression system, smoke detectors and pre-action sprinkler

Data Centre Infrastructure Management
- 24x7 temperature & humidity monitoring
- Real-time visibility of temperature, humidity, alarms, etc.
- Asset management
- Capacity planning
- IT load optimisation monitoring

Security
- Perimeter wall & anti-ram security fencing with motion detection cabling
- 24x7 Closed circuit TV (CCTV)
- 24x7 Guard & security presence
- Pre-authorisation security access control
- Vehicle checks & bollard security system
- X-ray scanner & metal detector
- Contactless card access system & biometric access control system
- Turnstile gates & mantraps
- ISO27001 Information Security Management Systems
- Structural resilience study (SRS) & blast effect analysis (BEA)
- Monetary Authority of Singapore (MAS) Technology Risk Assessment compliance with annual Threat and Vulnerability Risk Assessment (TVRA)

Network Diversity
- 2N Main distribution frame (MDF)
- 2N Independent Meet-me room (MMR) on each floor
- 2N telco risers
- Carrier neutral
- Diverse telco lead-in paths
- Interconnect with major domestic fibre & international submarine cables
- Interconnect with major internet exchanges in Singapore and Global, cloud and content providers.
- Seamless connection to PT Telkom Group's network infrastructure

Telin Singapore
by Telkom Indonesia

Our Accreditations

- Uptime Institute UTI Tier III Certification of Constructed Facility
- Monetary Authority of Singapore (MAS) Technology Risk Assessment compliance with annual Threat and Vulnerability Risk Assessment.
- Building & Construction Authority (BCA) & Infocomm Development Authority of Singapore (IDA) Data Centre Green Mark Platinum
- ISO 50001 Energy Management System
- SS 564 Energy and Environment Management
- ISO 27001 Information Security Management System
- Structural Resilience Study (SRS) and Blast Effect Analysis (BEA)
- Obtained Outsourced Service Provider's Audit Report (OSPAR) in compliance with guidelines issued by The Association of Banks in Singapore

About Telin Singapore

Telin Singapore, part of the PT Telkom Indonesia (Persero) Tbk, is a preferred ICT gateway provider to Indonesia and beyond. We connect businesses with our customers, partners and employees globally through flexible, modular and scalable data centres in Singapore. Our enterprise-grade data centre facilities deliver ICT solutions that are scalable and flexible to fit any customer's needs. It has seamless connectivity to the Group's data centres in Indonesia and is also backed by proprietary-owned, seamless submarine cables connectivity from Indonesia to the rest of the world.

For further information, please visit www.telin.sg

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