STTGDC JKT1

Strategically located in Greenland International Industrial Centre (GIIC), STTGDC JKT1 is built to the highest industry standards to enable the burgeoning digital economy growth in Indonesia and the region with a future scale within the campus.



Building overview

Location	Block EA-1, Greenland International Industrial Centre (GIIC) Cikarang, Bekasi, West Java JB, 17530 Indonesia
Gross Floor Area	198,852 sqft (18,474 sqm)
Net Lettable Area	70,611 sqft (6,560 sqm)
Slab-to-Slab Height	4.8 m
Floor Loading	15 kN/sqm
Loading Bays	2
Staging Room	1
Passenger Lifts (1,600kg)	2

Fire detection and suppression

- VESDA and smoke detectors
- Pre-action fire sprinkler system for data hall and NN100 for electrical rooms
- 2hr fire-rated doors and partitions
- 24x7 decentralised fire alarm monitoring system (DECAM) that links directly to an external fire monitoring agency

Power

- 2 diverse and redundant 20kV utility supplies and sub-stations
- Up to 18MW of IT Load
- N+1 generators
- Fuel tank providing up to 72hr of support at full load
- N+1 UPS with 10-min Lithium-Ion battery back-up
- Concurrently maintainable
- Fault tolerant

Connectivity

- Carrier-neutral
- 3 main distribution frame (MDF) rooms / meet-me-rooms (MMR)
- 3 diverse fibre routes points of entry to site
- Interconnected within the STTGDC Jakarta data centre campus
- Access to multiple carriers, internet exchange (IX), and internet service providers

Cooling

- Design PUE of 1.41
- N+1 adiabatic chiller system with concurrently maintainable ring configuration
  - Chilled water system incorporated with rapid start recovery mode and optimised with chiller management system
  - Designed with Chilled Water Storage/Buffer Tank for continuous cooling
  - Water-efficient and energy-efficient cooling systems
- Service corridor with Fan Wall Units supported by 2N UPS Power Supply with min N+1 resiliencies
- 72hr of backup water storage capacity for adiabatic chillers

Security

- Anti-crash boundary wall with anti climb fencing, K12 rated vehicle crash barriers
- Equipped with baggage x-ray baggage scanner, metal detector and man-trap for comprehensive security screening
- 24x7 CCTV recording at 1080p resolution, pan-tilt-zoom video analytics and kept for 90 days
- 24x7 on-site manned guards
- 24x7 controlled site access with 2-factor authentication by pre-authorisation
- Contactless card access system with RFID real-time movement tracking within building and biometric access control system

Certifications and compliance

- LEED Gold
- ISO 20000
- ISO 22301
- ISO 27001
- ISO 50001
- SS 564
- POJK Audit Assessment
- IDX Audit Assessment
- TVRA Assessment
- PCI DSS

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October 2026