STTGDC JKT5

Strategically located within the Greenland International Industrial Centre (GIIC), STTGDC JKT5 is part of the STTGDC Jakarta Data Centre Campus and contributes to its planned capacity of over 360MW. Designed as a liquid cooling-ready facility, it is purpose-built to support next-generation, high-density AI workloads driving Indonesia's growing digital economy.



Building overview

STTGDC JKT5 is part of the STTGDC Jakarta Data Centre Campus, designed to support the growing demands of AI and high-performance computing workloads.

Location	Block EA-1, Greenland International Industrial Centre (GIIC), Cikarang, Bekasi, West Java JB, 17530 Indonesia
Gross Floor Area	193,680 sqft (18,000 sqm)
Net Lettable Area	66,392 sqft (6,168 sqm)
Slab-to-slab Height	7 m
Floor Loading	16 kN/sqm
Loading Bay	1
Staging Room	1
Passenger Lifts (600kg)	2
Cargo Lifts (5,000kg)	2

Fire detection and suppression

- VESDA and smoke detectors
- Pre-action fire sprinkler system for data hall and NOVEC for electrical plant rooms
- 2hr fire-rated doors and partitions
- Addressable fire alarm system

Power

- N+1 20kV distribution and supported by 150kV substation on campus
- 40MW of IT Load
- N+1 generators
- N+1 UPS with 5-min Lithium-Ion battery back-up
- Fuel tank providing up to 48hr of support at full load
- Concurrently maintainable

Cooling

- Design PUE of <1.38
- Min. N+1 air-cooled chillers with concurrently maintainable ring configuration
- Min. N+1 fan wall units/CRAH/CDU provided with 2N UPS power supplies

Connectivity

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

Security

- Anti-crash boundary wall with anti climb fencing
- 24x7 CCTV recording at 1080p resolution 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 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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