



STT SEOUL 1

Located in Gasan data centre cluster at the heart of Seoul, STT Seoul 1 is built to the highest industry standards to offer critical infrastructure solutions that meets the country's evolving needs for digital transformation.

BUILDING OVERVIEW

STT Seoul 1 is set within a strategic yet prime location within the city of Seoul.

Location	345-26, Gasan-dong, Geumcheon-gu, Seoul, Korea
Gross Floor Area	426,193.8 sqft (39,594.7 sqm)
Net Lettable Area	79,868.2 sqft (7,420.0 sqm)
Typical Floor Height	7 m
Floor Loading	15 kN/sqm
Loading Bays	2
Staging Room	1
Passenger Lift	1
Cargo Lifts (5,000 kg)	2
Service Lift (2,500kg)	1
Seismic Design	Special Grade of Korean Design Standards (KDS 41 17 00)

FIRE DETECTION AND SUPPRESSION

- VESDA
- Gas Suppression System
- 2hr fire-rated partitions and 1hr fire-rated doors
- 24x7 centralised fire alarm monitoring system with an Independent Emergency generator

POWER

- 2 diverse and redundant 22.9kV utility power supplies
- 30MW of IT Load
- Distributed Redundant Uninterrupted Power Supply (UPS)
- N+1 Emergency Generators equipped with underground fuel tank providing up to 24hrs of support at full load
- Designed to UTI Tier III and TIA-942 Rated-3 standard
- Concurrently maintainable
- Fault tolerant

COOLING

- Design PUE of <1.3
- Resilient Chilled Water Plant with Cooling Towers with N+1 configuration
 - Chilled water buffer tank catering continuous cooling at full load
 - High efficiency and diverse chilled water pipe design
- N+2 Fan Wall Units
- 24 hours of make-up water system

CONNECTIVITY

- Carrier-neutral
- 2 main distribution frame (MDF) rooms
- 3 diverse fibre point of entry to site
- Access to multiple carriers, internet service and cloud service providers

SECURITY

- Perimeter surveillance with video content analytics
- Crash rated road blockers and bollards
- 24x7 CCTV recording at 1080p resolution, fixed with pan-tilt-zoom (PTZ) 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 and biometric access control system

CERTIFICATIONS & COMPLIANCE

- LEED GOLD (pre-certified)
- TIA-942 Rated-3 (targeted)
- Uptime Tier III (targeted)
- ISO 27001 (targeted)
- G-SEED
- Green Data Centre Certification (GDCC)
- TVRA compliant

CONTACT

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