



STTelemidia
Global Data Centres

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

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 SYSTEM

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 SYSTEM

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 SYSTEM

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

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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