STT SINGAPORE 5

STT Singapore 5 is located in the east of Singapore with rich connectivity and abundant redundant power availability. Connected via metro links to various Tier 1 submarine cable systems, STT Singapore 5 is strategically positioned as a regional connectivity hub to meet the customer demands in the Asia-Pacific markets.

STTelemedia
Global Data Centres

BUILDING OVERVIEW

Purpose-built six storey building with reinforced concrete super-structure

Location	35 Tai Seng Street, Singapore 534103
Gross Floor Area	172,912 sqft (16,067 sqm)
Net Lettable Area	75,855.97 sqft (7,047.25 sqm)
Flight Path	No
Slab-to-slab Height	5m
Floor Loading	15KN/sqm
Loading Bays	5
Staging Room	1 per floor
Passenger Lifts (1,000kg)	2
Cargo Lift (5,000kg)	1
Service Lift (2,500kg)	1

FIRE DETECTION AND SUPPRESSION SYSTEM

VESDA (Very Early Smoke Detection)

Double Interlock Pre-Action Sprinkler System

Nitrogen and Novec Gas Suppression System

Minimum 2hr fire-rated compartmentation to data halls and equipment rooms

24x7 decentralised fire alarm monitoring system (DECAM) that links directly to an external fire monitoring agency

POWER

2 diverse and redundant 22kV utility power supplies and sub-stations

>13.8MW of IT Load

Uninterruptible Power Supplies (UPSs) on 2N and N+2 redundant configuration

N+1 generator system

Underground fuel storage providing up to 24hrs of support at full load conditions

Concurrently maintainable

CONNECTIVITY

Carrier-neutral

2 main distribution frame (MDF) room

4 meet-me-room (MMR)

2 diverse fibre point of entry to site

2 diverse risers

Direct access to multiple local loop, dark fibre, submarine cable, internet and cloud service providers and carriers.

COOLING

Design PUE: 1.62

N+1 centralised chilled water plant with quick restart function

Powered by N+1 dedicated critical system generators

2N diverse pipe reticulation with reverse return system

CRAH units on N+2 and N+1 redundant configuration

SECURITY

Perimeter fence with fence intrusion detection system

24x7 perimeter and data centre CCTV monitoring and 90 days of continuous recording

24x7 security operation centre

2FA (card / biometric) controlled access to data halls

Mantrap access control to data halls

24x7 on-site manned guards

Pre-approved visitor and vehicle access

24x7 on-site security guards

CERTIFICATIONS & COMPLIANCE

BCA Green Mark based on New Non-Residential Buildings Version 3 compliant

LEED Gold

ISO 27001: 2013

ISO 50001: 2018

ISO 45001: 2018

ISO 22310: 2019

SS 564: 2020

TVRA compliant

PCI DSS

ABS OSPAR

SOC1 Type II

bizSAFE Level STAR

CONTACT

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