



STT TAI SENG 1

STT Tai Seng 1 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 Tai Seng 1 is strategically positioned as a regional connectivity hub to meet the customer demands in the Asia-Pacific markets.

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	71,156 sqft (6,610 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 compartmentations to data halls and equipment rooms

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

POWER

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

Up to 15MW 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

2N main distribution frame (MDF) room

2N meet-me-room (MMR)

2N diverse fibre point of entry to site

2N 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 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

LEED Gold

BCA-IMDA Green Mark Gold

ISO/IEC 27001:2013

ISO/IEC 20000-1:2011

SOC1 Type2 (SSAE18)

ABS OSPAR

TVRA compliant

ANSI/TIA-942-B Rated-3

PCI DSS

CONTACT

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