



STT JOHOR 1

STT Johor 1 is part of the STT Johor data centre campus strategically located 15km away from Singapore, providing regional and global businesses with significant accessibility and connectivity to an international business and interconnection hub. STT Johor 1 is built to support various liquid cooling technologies with scalability for large GPU-accelerated computing clusters, ideal for diverse AI workloads across industries.

BUILDING OVERVIEW

Location	Nusa Cemerlang Industrial Park
Gross Floor Area	183,766 sqft (17,072.45 sqm)
Net Lettable Area	61,053 sqft (5,672 sqm)
Slab-to-slab Height	Up to 6m
Floor Loading	15 kN/sqm
Loading Bays	2
Staging Room	1
Passenger Lift (1,350kg)	1
Cargo Lift (5,000 kg)	1
Service Lift (2,500kg)	1

FIRE DETECTION AND SUPPRESSION SYSTEM

Smoke detector and VESDA
Pre-Action Sprinkler System
2hr fire-rated doors and partitions
24x7 centralised fire alarm monitoring system

POWER SYSTEM

2 diverse and redundant 33kV utility power supplies
16.5MW of IT Load
Distributed Redundant Uninterrupted Power Supply (UPS) Fuel storage tanks providing at least 12 hours support at full load
Concurrently maintainable
Fault tolerant

COOLING SYSTEM

Design PUE of 1.3
N+1 High Efficiency Air-Cooled Chillers with concurrently maintainable chilled water ring
N+2 Fan Wall Units

CONNECTIVITY

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

SECURITY

Anti-climb perimeter fencing enhanced with perimeter surveillance and video content analytics
24x7 CCTV recording at 1080p resolution
24x7 on-site manned guards
24x7 controlled site access to data halls with 2-factor authentication
Contactless card access system by pre-authorisation

CERTIFICATIONS

LEED Gold
TIA-942 Rated-3
ISO 20000
ISO 22301
ISO 27001
ISO 50001
TVRA compliant
DCRA compliant

CONTACT

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