



STT BANGKOK 2

STT Bangkok 2 is part of the STT Bangkok data centre campus, with a development potential of 24 megawatts of IT power. Purpose-built to support Thailand's growing demand for critical digital infrastructure, the facility is engineered to meet the evolving needs of customers—especially in high-density and AI-driven environments.

BUILDING OVERVIEW

STT Bangkok 2 (RFS: Q1 2027), part of the STT Bangkok Data Centre Campus, is engineered to support the future of digital infrastructure by offering liquid cooling solutions tailored for high-density and AI workloads requiring superior thermal management.

Location	1 Soi Ramkhamhaeng 28, Huamak Subdistrict, Bang Kapi District, Bangkok Thailand 10240
Gross Floor Area	301,863 sqft (28,044 sqm)
Net Lettable Area	6,200 sqft (66, 736 sqm)
Slab-to-slab Height	Up to 6.5m
Floor Loading	15 kN/sqm
Loading Bays	2
Staging Room	1
Passenger Lift (5,000 kg)	2

FIRE DETECTION AND SUPPRESSION

- VESDA and Smoke Dectectors
- Pre-Action Sprinkler System and Gas Suppression System (Nitrogen)
- 2hr fire-rated doors and partitions
- 24x7 centralised fire alarm monitoring system

POWER

- 2 diverse and redundant 69kV utility power supplies
- 24MW of IT Load
- N+1 Distributed Redundant Uninterrupted Power Supply (UPS)
- Underground fuel tank providing up to 24hrs of support at full load
- Onsite step-down substation supplying 70 MVA from two main stations, enhancing power reliability and system stability while improving energy efficiency
- Concurrently maintainable

CONNECTIVITY

- Carrier-neutral
- 3 main distribution frame (MDF) rooms
- 3 diverse fibre points of entry to site
- Interconnected within the STT Bangkok data centre campus
- Access to multiple carriers, internet exchange (IX), internet service and cloud service providers

CONTACT

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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
- 48hrs of make-up water storage
- Advanced cooling solutions including Direct-to-Chip cooling and Immersion cooling

SECURITY

- Anti-crash boundary wall with perimeter protection against vehicle-borne improvised explosive device (VBIED)
- Perimeter wall with BRC fencing and barb mesh
- Anti-climb fencing at front gate
- Comprehensive intrusion detection
- K12 rated vehicle crash barriers
- 24x7 CCTV recording at 1080p resolution with video analytics. kept for 90 days
- 24x7 on-site manned guards
- 24x7 controlled site access to data halls with 2-factor authentication by pre-authorisation
- Contactless card access system

TARGETED CERTIFICATIONS AND COMPLIANCE

- Uptime Tier III (Design)
- TIA-942 Rated 3 (Design)
- LEED Gold
- ISO 20000
- ISO 22301
- ISO 27001
- ISO 50001
- SS 564
- PCI DSS