



## STT MEDIAHUB

STT MediaHub is located in west of Singapore in the city's digital media hub, known as the One-North business park. One-North is a strategic development that is designed to host a cluster of world-class research facilities and business park space and to support the growth of Singapore's Biomedical Sciences, Info-Communications Technology, Media, Physical Sciences and Engineering sectors.

## BUILDING OVERVIEW

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Purpose-built six storey building with post-tensioned and conventional reinforced beam and slab

<b>Location</b>	1 Media Link, Singapore 138552
<b>Gross Floor Area</b>	247,219 sqft (22,967 sqm)
<b>Net Lettable Area</b>	116,713 sqft (10,843 sqm)
<b>Flight Path</b>	No
<b>Slab-to-slab Height</b>	Up to 6m
<b>Floor Loading</b>	Up to 15KN/m <sup>2</sup>
<b>Loading Bays</b>	2
<b>Staging Room</b>	1
<b>Passenger Lifts (1,630kg)</b>	2
<b>Cargo Lift (5,000kg)</b>	1
<b>Service Lifts (1,630kg)</b>	1
<b>Service Lift (2,000kg)</b>	1

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## FIRE DETECTION AND SUPPRESSION SYSTEM

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VESDA and Addressable Fire Alarm System equipped with smoke detection

Pre-Action Sprinkler System and Gas Suppression System (NOVEC)

2hr fire-rated doors and partitions

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

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## POWER

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

Up to 16.4MW of IT Load

2N Static Uninterrupted Power Supply (UPS) with 10 to 15 minutes of battery back-up

Concurrently maintainable

Fault tolerant

2N generator system supporting each floor

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

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## CONNECTIVITY

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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 carriers, internet service and cloud service providers

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## CONTACT

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## COOLING

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Design PUE of 1.49 at full load

N+1 chilled water system with ring distribution supported by N+1 cooling tower

- Chilled water system incorporated with rapid start recovery mode and installed with optimisation programme

- All chilled water systems are genset supported

- Designed with chilled water storage/buffer tank and oversized pipework for 10min continuous cooling during power failure

- CRAH units equipped with ATS for continuous fan running

2N diverse chilled water piping loops

Service corridor with CRAH: up to N + 20% resiliencies

24hrs of backup water storage capacity for continuous operations

Dual water sources (domestic & NEWater) for make-up water system

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## SECURITY

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K4 rated surface mounted rising step barrier at main vehicle entrance

Perimeter protection of K4 rated anti-crash bollards against vehicle-borne improvised explosive device (VBIED)

Reinforced walls and columns

24x7 CCTV recording at full HD 1080p resolution, 20 frame per second and 90-day continuous recording

Perimeter surveillance with day and night cameras with Video Content Analytics (loitering and abandoned object detection)

Explosive trace detection (ion mobility spectrometry) & undercarriage for vehicle screening

24x7 on-site manned and armed guards

24x7 controlled site access

Contactless card access system

Walk-through metal detector, X-ray screening system for human traffic and baggage screening

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## CERTIFICATIONS

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ANSI/TIA-942 Rated 3

BCA-IMDA Green Mark Platinum (New Data Centre)

SS 564

SO 14001

ISO 14644-1

ISO 22301

ISO/IEC 27001

ISO 50001

TVRA compliant

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