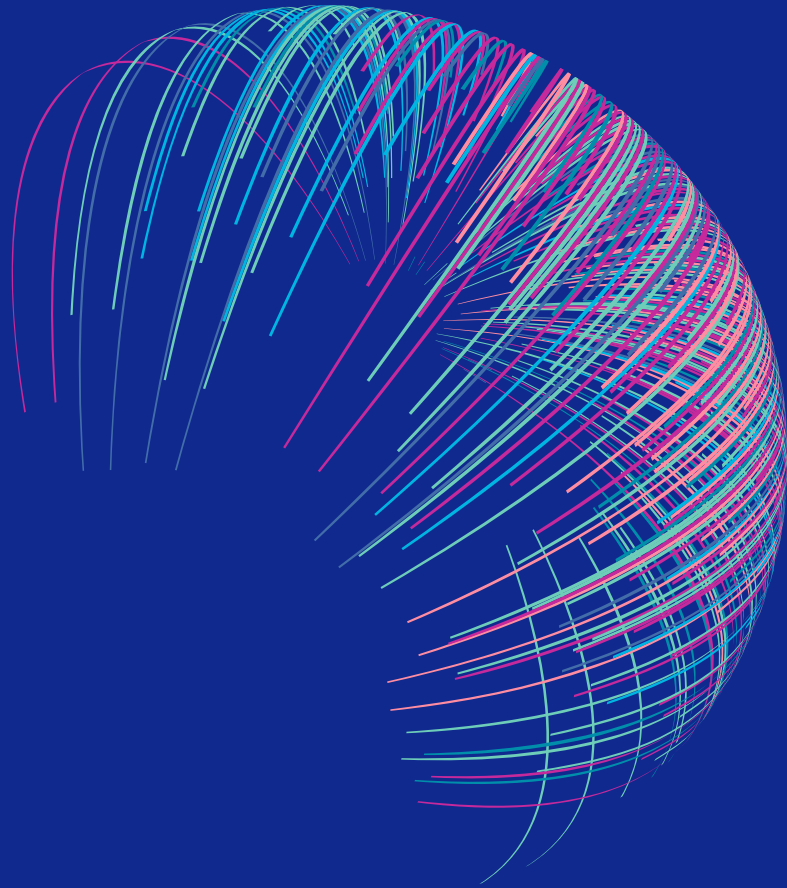


Princeton Digital Group

Internet Infrastructure



SINGAPORE **SG1**

Situated in the heart of Singapore, 15 minutes from town and 20 minutes from Changi International Airport, our data center in the city state is a strategic location for hyperscalers and enterprises that are looking to expand and require additional capacity.

Our facility offers clients various services from whitespace raised floor rentals to storage and staging rooms on demand. It is located near the existing cloud and network hub of Tai Seng, while also housing the SGX trading platform and other FSI ecosystems. As the hub of South East Asia, Singapore is the largest data center market in the region and is also one of the top colocation markets in the world. Nearly all the major hosting and cloud providers globally have built a presence in Singapore.

DATA CENTER OVERVIEW

Address: _____ 7000 Ang Mo Kio Ave 5 SG 569877
Latitude/Longitude: _____ 1.378641, 103.872907
Gross Floor Area: _____ 16,148 m²
Slab-to-slab Height: _____ 6m
Floor Loading: _____ 12.5kN/m²
Loading Bays: _____ 2
Staging Room: _____ available
Design PUE _____ 1.45

Data center, offices and ancillary plant rooms are located on the ground floor

COOLING

- High-efficiency water-cooled chillers with oil-free centrifugal compressor technology
- Chilled Water Buffer Tank catering continuous cooling for 10-minutes at full load
- Bi-directional piping design
- Dual-feed AHUs
- CRAC units on 2N power supply of up to N+20% resiliencies
- Generator supported mechanical services

TELECOMMUNICATIONS

- Carrier neutral network services, multiple service providers (Singtel, Starhub, Superloop, SPTel) and product offerings
- Two (2) diverse fiber entry vaults, 180m separation
- Two (2) Main Distribution Frame (MDF) rooms
- Two (2) Meet-Me-Rooms (MMR), diverse network distribution paths

ONSITE OPERATIONAL SUPPORT

- Secure storage and staging rooms available for use
- Office space available for BCP
- 24x7 onsite Remote Hands engineers
- 24x7 onsite critical facility management engineers
- Continuous monitoring of Data Center Infrastructure Management (DCIM) and Building Management System (BMS) by the operations team
- Real-time monitoring and alarm notifications of all critical data center infrastructure

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To get a first-hand look into any of our data centers, e-mail us at visitus@princeton dg.com for a guided tour.

POWER

- Battery Life: 10 minutes at full load
- Two (2) diverse and redundant 22kV utility power supplies and substations
- Roadmap to upgrade to 66kV substations
- Diesel generators in N+1 redundancy for IT Load
- Underground fuel tank providing up to 24hrs of support at full load
- Distributed Redundant Uninterrupted Power Supply (UPS)

SMOKE DETECTION AND FIRE SUPPRESSION SYSTEMS

- VESDA
- 2 hour fire-rated doors and partitions
- Pre-action, cross zone Sprinkler System
- Gas Suppression System (NOVEC 1230)
- 24x7 decentralized alarm monitoring system linked directly to an external fire monitoring agency

SECURITY & ACCESS CONTROL

- 2FA data center security accessible by access ID and biometrics
- 3m high anti-climb perimeter fencing
- 24x7 onsite security
- 24x7 onsite manned guards
- 24x7 comprehensive CCTV coverage with programmed video-motion detection
 - Recordings of 25 fps at 1 megapixel and kept for 90 days
 - All monitoring systems supplied with dual power with no single failure point
 - Video management system equipped with failover redundancy network video recording server

ACCREDITATIONS

- SOC1 and SOC2 Type 2
- ISO 27001, 9001, 45001, 50001 : 2018
- SS 564, Part 1 : 2020
- OSPAR Attestation
- TVRA
- Uptime Tier 3 M&O
- OCP Ready™
- bizSAFE Level STAR
- LowCarbonSG recognized

participant

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