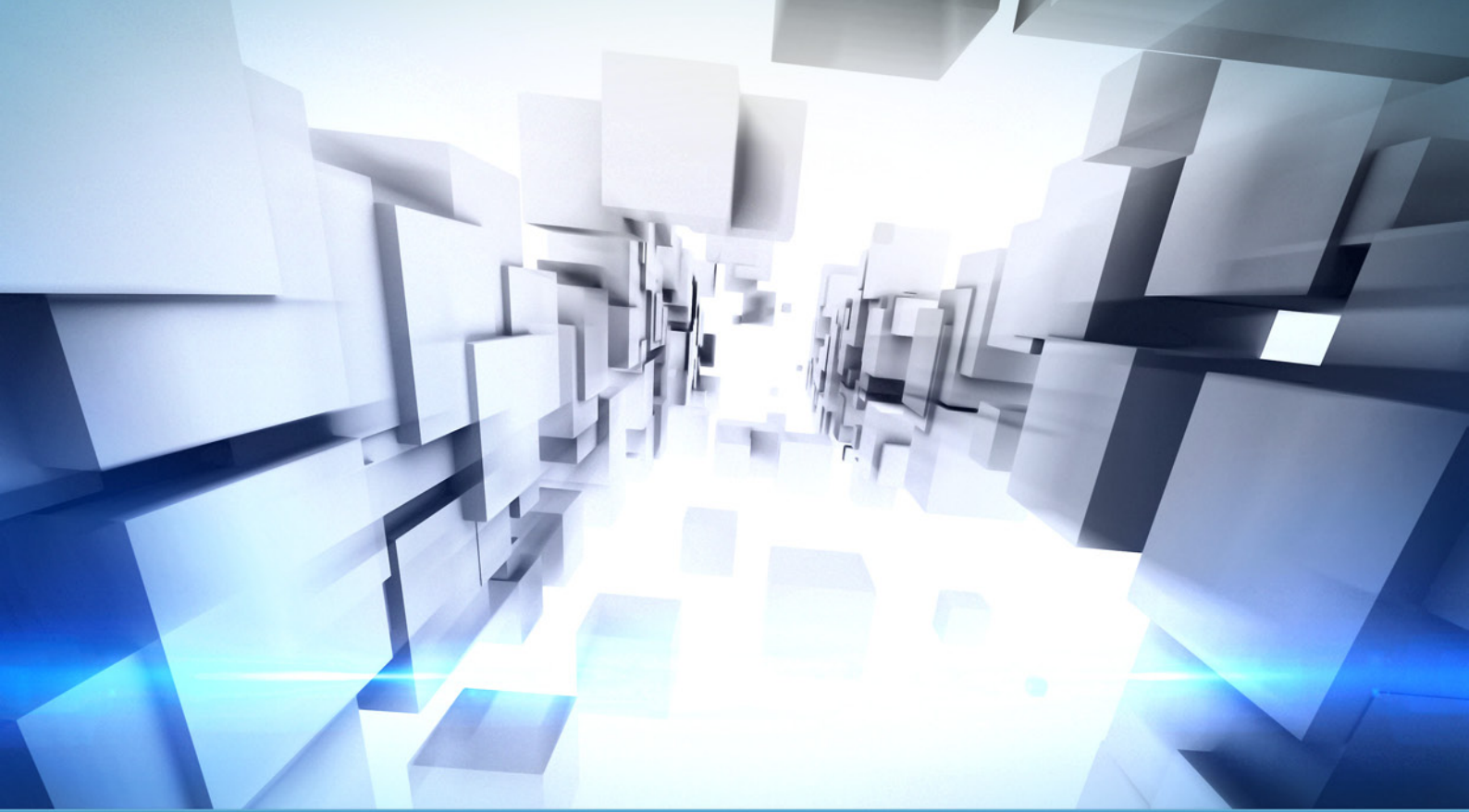




Pacnet Hong Kong CloudSpace2 Technical Specifications

Upholding the Principles of Efficiency and Sustainability in
Data Center Design



Our purpose-built, 5,000 m² Pacnet Hong Kong CloudSpace2 (HKCS2) provides an ideal environment for the installation of your mission-critical infrastructure. Located at the center of Pacnet's 46,420 km submarine cable system, the facility offers direct connections to our network, the rest of Asia and the world.

HKCS2 is the first co-location center in Hong Kong designed using the Leadership in Energy and Environmental Design (LEED) rating system for green building specifications. The facility utilizes high-efficiency equipment to ensure a Power Usage Effectiveness (PUE) of less than 1.5, minimizing the power being drawn by the infrastructure to support the IT load.

Our facility is designed to cater to companies with moderate-to-high bandwidth and power requirements, including content and cloud service providers or multi-site enterprises that need to support their global operations with powerful, redundant and low-latency connectivity.



Building

HKCS2 is a dedicated, free-standing facility with a highly-robust infrastructure designed for concurrent maintainability and high-fault tolerance, which ensures constant availability of your mission-critical equipment, application and data.

- 2,000 m² of raised floor
- 3 MW of usable UPS capacity
- Fault tolerant, Tier III design
- Located in Hong Kong's data center hub in Tseung Kwan O
- 25 minutes drive from Hong Kong's central business district
- Address: 11 Chun Kwong Street, Tseung Kwan O Industrial Estate, Tseung Kwan O, New Territories, Hong Kong



Telecommunications

Our HKCS2 facility offers direct access to Pacnet's privately-owned submarine cable system, which connects customers throughout Asia and across the Pacific via 46,420 kilometers of resilient and redundantly- provisioned optical fiber and is complimented by direct access to major domestic exchanges and Points of Presence (PoPs) within Hong Kong.

- Direct connection to multiple cables in the Pacnet submarine network
- Multiple, redundant and diverse carrier networks for local access



Data Center Access Link

With Pacnet Data Center Access Link (DCAL), we deploy virtual cross connections linking your equipment hosted in our data center facilities with other major data centers within the same city, giving you the ability to seamlessly and cost-effectively connect with other local data centers without a need for local loop access.

- Provides virtual cross connection between our facility and the major peering points in Hong Kong
- Low-latency and high-bandwidth connection
- A hub for connectivity between the local markets and international routes



Power

Constructed to ensure constant delivery of power to your mission-critical equipment, HKCS2 boasts two substations and N+1 emergency generators, with multiple bulk fuel tanks to provide more than 100 hours of run-time on a full load. The redundant power distribution and UPS systems guarantee sufficient power to keep your equipment operating in the event of fault or during scheduled maintenance.

- 6 MVA utility supply with feeder redundancy
- Available rack power up to 10 kVA standard
- N+1 generators
- 180,000 liters fuel capacity in multiple bulk tanks (100 hours run-time)
- N+1 block-redundant UPS
- 2N power distribution using Static Transfer Switches
- K-rated isolation transformers





Environmental Controls

Our facility is outfitted with redundant chillers and thermal storage to provide an uninterruptable supply of cooling to the data halls while maintaining the temperature levels required by high-efficiency equipment to help optimize equipment performance and lifecycle.

- N+1 water-cooled chillers
- N+2 Computer Room Air Conditioners (CRACs)
- 10 minutes thermal storage for uninterruptable cooling
- Supply/Return air segregation and aisle containment
- In-depth monitoring with remote and local alarm handling



Security

We combine stringent physical security measures with state-of-the-art access control systems to ensure that your equipment in our facility is always safe and secure.

- Standalone data center facility in a secured compound
- Wholly-owned and operated by Pacnet
- 24 x 7 on-site security guards
- Multiple, concentric levels of security including biometric and proximity card controls
- CCTV



Fire Protection

We protect our data center with advanced, laser-based Very Early Smoke Detection Systems (VESDA) along with conventional detectors. The facility's gas suppression systems provide the first line of defense against fire and ensures control without the risk of equipment damage, as may be caused by water-based systems.

- Both VESDA and conventional point detectors
- Double-interlocked dry-pipe pre-action sprinklers
- Gas fire suppression system



Sustainability

We take pride in being the first co-location facility in Hong Kong to comply with the LEED "Gold" standard in green building design. We endeavor to minimize our power utilization and lower our carbon footprint by applying green principles in our choice of equipment and facility design.

- In compliance with the LEED "Gold" standard in green building design
- Highly-efficient water-cooled chiller system
- State-of-the-art beltless drive CRAC units
- Power Usage Effectiveness (PUE) of less than 1.5



Services

Racks, Cages and Suites

We can accommodate your varying data center requirements with individual rack space in the co-location area, cages for companies with medium-sized IT space specifications and exclusive suites for preferred customers who want flexibility in their data center design, build-out and utilization.

Access

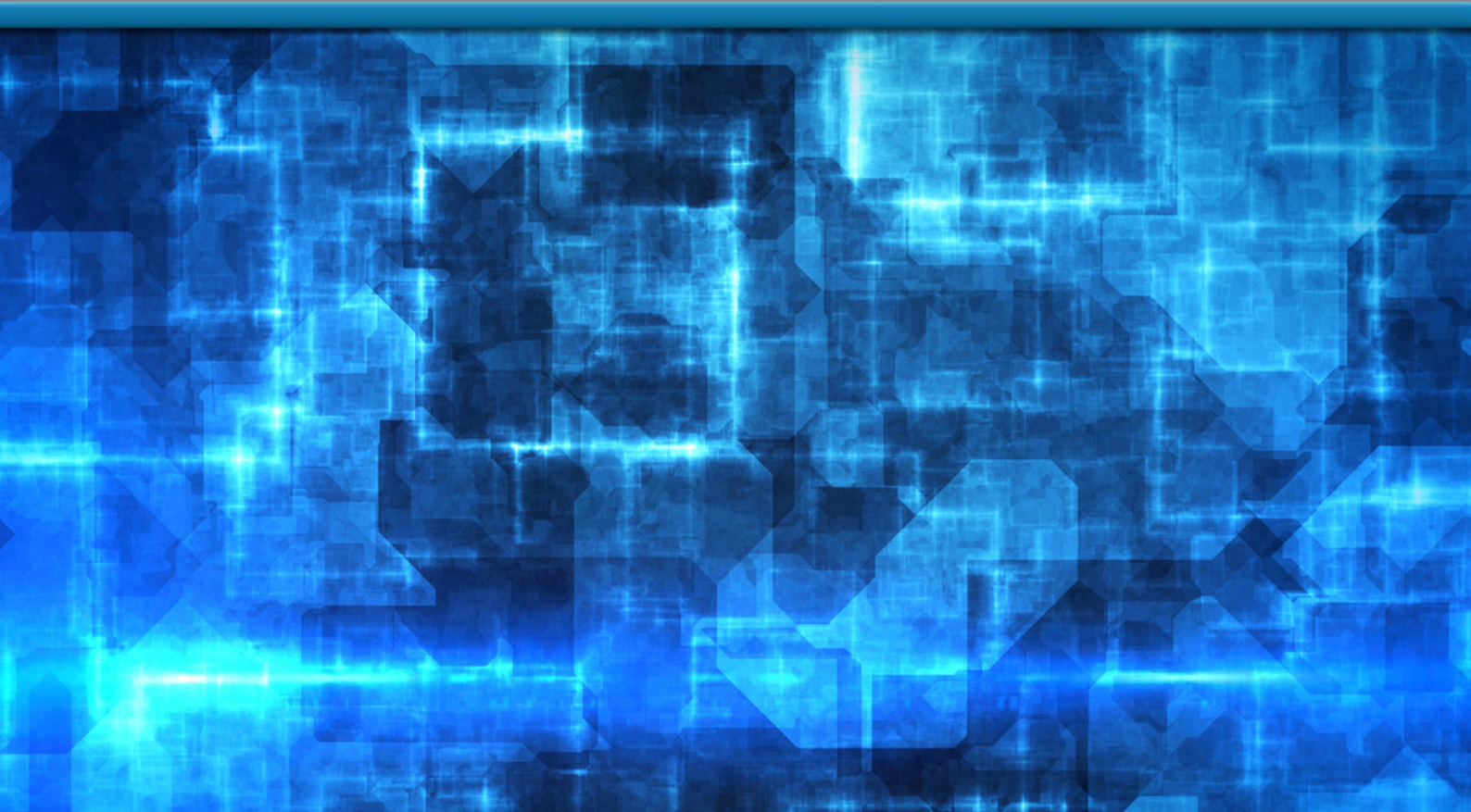
We ensure easy and convenient installation and dismantling of your equipment with our spacious loading bay, which is equipped with a dock leveler, and efficient elevators for ease of delivery and access to our staging room and storage areas.

24 x 7 On-Site Remote Hands Support

You will have the support of our pool of highly-skilled data center engineers trained in the application of best practices in data center management while fully complying with the agreed-upon methods and procedures for handling your co-located equipment.

24 x 7 Multilingual Customer Service Support

Our data center is linked directly to Pacnet's Customer Service Center providing round-the-clock support to our customers, worldwide.



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