



Melbourne, Australia Data Center (MECS1)

Sustainable, Enterprise-Class Data Center Facility

Pacnet Melbourne Data Center (MECS1) provides an ideal environment for the installation and maintenance of mission-critical infrastructure. This premium data center facility, located in Port Melbourne, is only 5 kilometers southwest of Melbourne Central Business District (CBD) and 25 minutes drive from Melbourne Airport.

Designed for long-term energy efficiency, MECS1 integrates a number of industry-leading technical and environmental features, making it one of the more advanced, environmentally-sustainable data centers in Australia.

With maximum power density of 10 kVA, MECS1 is ideal for customers with high-power, high-availability requirements, offering them a conveniently-located carrier-neutral facility with access to round-the-clock support from data center experts.

Equipped with Pacnet Enabled Network (PEN), the first pan-Asian Network-as-a-Service (NaaS) architecture empowering organizations to provision network resources within minutes across multiple sites, MECS1 interconnects with other PEN enabled facilities to offer customers the flexibility to create a truly virtual Asia-Pacific data center.

LOCATION

MECS1 is located in Port Melbourne, approximately 2.85 kilometers from Melbourne's CBD.

- 826-830 Lorimer St, Port Melbourne, VIC 3207
- 25 minutes drive from Melbourne Airport

FACILITY

MECS1 is a 2,960 sq ft carrier-neutral facility with 100 IT rack capacity.

- Concurrently maintainable, Tier III facility
- ISO 9001 and ISO 27001 compliant
- 64,580 sq ft of gross white space
- 5,480 mm floor to ceiling
- 900 mm raised floor height
- 14.4 kN floor load capacity
- 1,670 kVA total redundant UPS capacity

POWER

A highly resilient, distributed redundant electrical system provides dual sources of power to every rack with no common point of failure. Rigorous application of best practices resulted in the creation of highly available and efficient electrical infrastructure.

- 22.5 MW utility supply
- 4 kVA per rack standard power up to 10 kVA
- No single point of failure
- N+1 distributed UPS topology
- 120,000 liters fuel capacity equivalent to 24 hours run-time at full load
- 2N power distribution to IT racks
- Uninterruptable Power Systems
- 10 minutes battery autonomy
- N+1 diesel generator redundancy

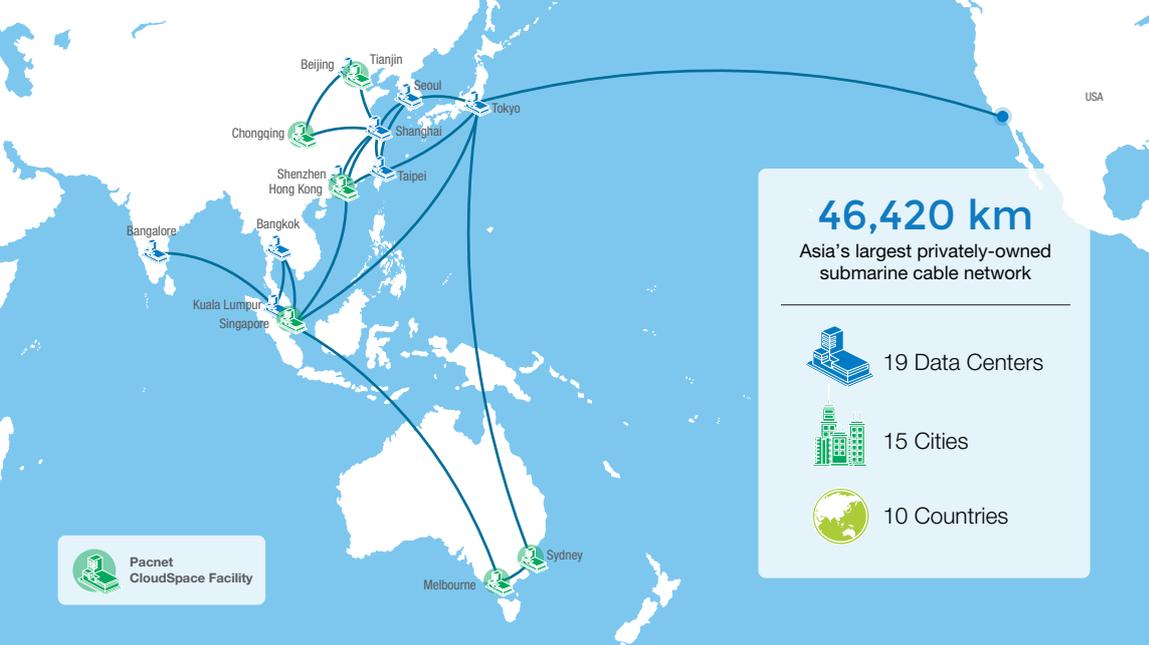
ENVIRONMENTAL CONTROLS

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

- 20 - 24°C temperature
- 50% +/- 15% relative humidity
- High-efficiency, water-cooled chillers
- N+1 chiller redundancy
- Dual, diverse chilled water risers
- Thermal storage tanks for uninterruptable cooling
- N+2 CRACs

GLOBAL SLA

- Power Availability: 99.999%
- Temperature: 99.99%
- Humidity: 99.99%
- Maximum Time-to-Respond: 15 minutes



Pacnet's extensive global network reach and interconnected data centers offer customers unparalleled flexibility in creating virtualized ecosystems.

CONNECTIVITY

MECS1 is a carrier neutral data center, with direct access to both Pacnet's extensive submarine cable system and Australia's existing carrier hotels. As a PEN enabled facility, MECS2 extends its enterprise-class data center and private clouds to any external cloud vendors.

- Direct access to major domestic exchanges and Points of Presence (PoPs) within Australia
- Multiple, redundant and diverse carrier networks for local access
- Interconnect with other PEN enabled facilities across Asia-Pacific for fully automated bandwidth provisioning

FIRE PROTECTION

Pacnet's MECS1 facility utilizes state-of-the-art aspirating smoke detection systems, coupled with traditional point detectors and both gaseous fire suppression and dry-pipe pre-action sprinklers.

- Very Early Smoke Detection Apparatus (VESDA)
- Thermal point detectors
- FM200 fire suppression

SECURITY

Pacnet combines stringent physical security measures with state-of-the-art electronic access control systems to ensure the safety and security of hosted equipment.

- Stand-alone building in a secure compound
- 24 x 7 security guards
- CCTV cameras
- Biometric/card access control

SUSTAINABILITY

MECS1 integrates a number of green features in its design making it one of the more advanced, environmentally-sustainable data centers in Australia.

- Water-cooled chillers
- Recycled water for cooling towers
- Energy-efficient lighting meeting AS1680.2.2 standard
- External walls insulated to reduce heat transmission
- Low volatile organic compound (VOC) materials and paint used throughout the building

SERVICES

Racks, Cages and Suites

Pacnet can accommodate customers' varying data center requirements, providing customized colocation solutions to suit individual businesses.

Access

Pacnet ensures easy and convenient installation and dismantling of equipment with a spacious loading bay, staging and storage areas, generous cargo lifts, ample headroom and level access between the loading bay and the data halls.

On-Site Remote Hands Support

Pacnet has a pool of highly-skilled data center engineers who are trained in the application of best practices in data center management for handling collocated equipment.

24 x 7 Multilingual Customer Service Support

Pacnet Customer Service Center provides single point of contact, round-the-clock support for all customers worldwide.

ABOUT PACNET

Pacnet is Asia-Pacific's leading provider of managed data connectivity solutions to cloud and content service providers, multinational enterprises and telecommunications carriers. Ownership of the region's most extensive high-capacity submarine cable systems with over 46,000 km of fiber and interconnected data centers across the Asia-Pacific region gives Pacnet unparalleled reach to major business centers in key markets including China, India, Japan and the United States.

Combined with a comprehensive set of managed network and value-added data center services, its assets and experience in the region help Pacnet service large businesses worldwide including Fortune 500 companies.

Pacnet is headquartered in Hong Kong and Singapore, with offices in all key markets in the Asia-Pacific region and North America.

CONTACT US

For more information, contact your Pacnet Representative or email us at sales.inquiries@pacnet.com

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