



*“Our Harbour MSP environment just keeps running and our service delivery manager makes everything easy.”*

**Head of IT**  
SaaS Company

*“We like the ‘pay for only what you use’ model ... we believe we get the best cost base by combining in-house support and selective outsourcing to Harbour MSP.”*

**Head of IT**  
Global Investment Bank

## Contact

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## Don't try to do it all yourself.

### Reduce your costs and boost your peace of mind with Harbour MSP colocation services.

Colocation makes exceptional business sense. These days, the economies of scale achieved in a purpose built data centre far outweigh the benefits of trying to keep it all under your own roof.

At Harbour MSP, our state-of-the-art, carrier neutral data centres offer significant cost savings and exceptional reliability and security.

#### More options for your business

Harbour MSP colocation services come in a flexible range of power and cooling options to support anything from one rack unit devices to the most powerful blade server or storage enclosures.

Optional additional services in the data centre include smart hands and feet, managed infrastructure and cloud services.

#### Harbour MSP data centres

Our purpose built data centres and managed colocation services offer significant operational advantages over keeping it in-house. They also offer a lower, fixed cost of ownership.

#### Availability

Many organisations simply grind to a halt when their IT infrastructure is struck by power outages. When your IT operations are collocated within our data centre, it's business as usual.

Harbour MSP data centres are built to the highest levels of availability (99.999%) and reliability.

#### Security

Security requires careful management. You need to keep the bad guys out but make it easy for the good guys to do their job.

Harbour MSP data centres have multiple layers of security; while giving you and your technology partners the access you need.

#### Connectivity

Data centres are major traffic hubs, attracting a huge range of service providers all competing to win your business.

Harbour MSP facilities offer significant cost savings on connectivity – you can expect to save 20–40% on the cost of a circuit delivered to our data centre versus an office-based facility. Or you can use Harbour MSP's managed Internet services. The choice is yours.

#### Power density

Modern IT equipment like blade services and storage are hungry for lots of power in a small space. Yet many IT environments are not built to cope.

All Harbour MSP data centres are built for power-hungry IT environments. Our data centres can power and cool equipment in measures of up to 12 kW in single rack without operational risk.

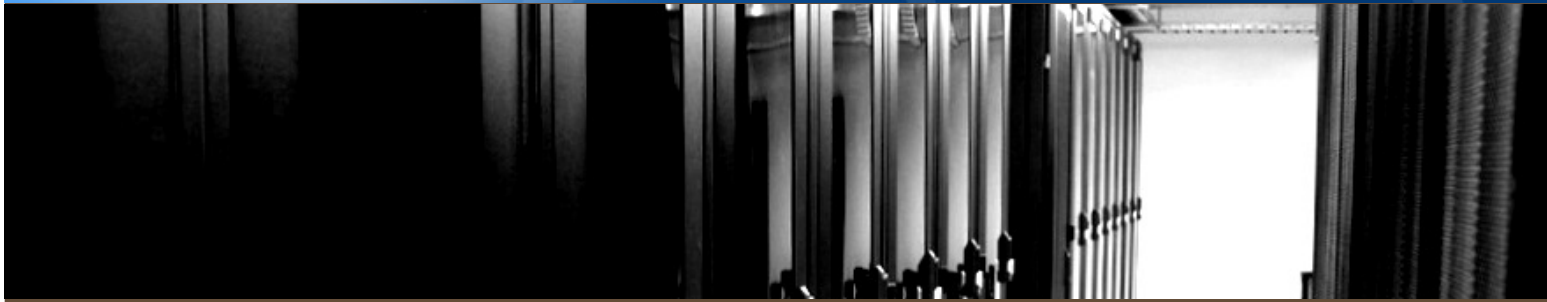
#### Energy efficiency

Our data centres are purpose-built for energy efficiency, and are typically 20–40% more efficient than office-based facilities.

This is due to our efficient internal distribution systems, and our connection to the national grid via high voltage cable.

#### Contact us

To learn more about our colocation services, please contact Harbour MSP today.



## Benefits

### Highly available

- \* Redundant systems
- \* UPS back up power

### Secure

- \* Stringent security
- \* Secure, simple user access

### Connected

- \* Multiple carriers
- \* Diverse meet me rooms

### High Power density

- \* From 1 kW per rack
- \* Up to 12 kW per rack

### Energy efficient

- \* Greener power

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Facility	Global Switch	Ultimo, Sydney
Performance	Availability Average power density Rack power Temperature Humidity	99.999% - Uptime institute - Tier 3 fault tolerant and concurrently maintainable Up to 1,000 watts/m2 for power for air-conditioning From 1 kW to 12 kW in 1 kW increments Constant 22 degrees Celsius +/- 1 <sup>o</sup> C. Relative humidity 50% +/- 10% at control instruments.
Power systems	Electrical authority supply Internal reticulation Internal supply UPS and standby power UPS configurations Generator back up Generator fuel capacity	Redundant 33 kV cables from switching station and internal 33/11 kV transformers Redundant, parallel 11 kV cabling reticulated to transformers on each level Redundant A+B supply distributed at 415V Busbar Direct diesel-backed pillar rotary UPS systems N+1 or N+N with reserve of up to 15 minutes 22 x 2MVA Diesel generators 48 hours fuel capacity onsite with 24 x 365 fuel supply contract
Security and access	Entrance  Access request CCTV monitoring  Alarm systems Building access delivery  Rack	Entrance barriers control vehicle entry Revolving access doors with personnel security trap Door access controls on all technical area Online self service portal based system Full coverage of exterior, entryways, lifts, stairs and site interior 28-day digital system access with fully staffed security control room Proximity access control system for entrance, exit and lifts Intrusion detection on all doors, glass breakage sensors and motion detectors for CCTV Articulated truck access to delivery zone. Loading bay, goods lift with 10,000 kg capacity to all technical floors Secure storage area, staging area Individual pin lockable racks as standard. Biometric also available.
Cooling	Design Distribution Cooling tower water supply Cooling water distribution Chiller power supply Control	Condensed water cooling system Up to 21 cooling towers at roof level supplying 1050 watts of cooling per m2 Redundant cooling tower water supply feeds with capacity for 12 hours of operation Redundant condensed water distribution pipe work (ring main type) Chillers provided with continuous power from diesel-backed rotary UPS system Close control units provide air conditioned air to technical space
Fire detection and suppression	Design Detection Smoke detection  Gas Fire sprinklers  Fire extinguishers	Three stage multi-point aspirated smoke detection system VESDA in technical space and plant area Multi-point aspirated smoke detection system to the technical area and sub floor Addressable point type smoke detectors in the ancillary areas Inergen gas distribution Double interlocked pre-action sprinkler system to the technical areas Conventional wet pipe sprinkler system to the ancillary areas Fire extinguishers throughout with CO2 extinguishers on the technical floors
Telecommunications	Meet me rooms Carriers Cabling Roof space	Two diverse, North and South meet me rooms 28 WAN, Internet and Telephony providers at time of printing Multiple connections to each suite and cable tray to all risers Available for satellite and antenna equipment
Building	Gross area Technical area Technical height Structure Access Flooring Floor loading Passenger lifts Good lifts Parking Public transport	41,575 m2 22,043 m2 (approximately 10,000 racks) 4.1 m from raised floor to ceiling Steel frame with concrete floors and metal faced cladding and glazing Can accommodate 600 mm clear depth access flooring throughout technical areas Typical loading of 7.5 kN/m2 2 x 1.3 tonnes 1 x 10 tonnes Multiple options available in close proximity Bus, monorail, tram close by
Building management	Staffing System	Dedicated 24 x 365 facilities management team Monitors all building processes