

COLOCATION SERVICES MORE THAN JUST RACKS

Colocation makes exceptional business sense. These days, the economies of scale achieved in a purpose built data centre far outweigh challenges of managing your data centre on your premises. Our state-of-the-art, carrier-neutral data centre facilities offer significant cost savings and outstanding reliability and security.

WHY NEXCENTER FOR COLOCATION SERVICES

Managing your own data centre, can be a difficult task. Faced not only with limited capital and operating budget, you'll also need a team to be available 24x365 that has the right skills to manage complex facilities and security. Transitioning your in-house environment to Nexcenter's data centre takes away the hassle and cost of managing your own data centre team.

Nexcenter's Colocation Services provide you a quality long-term solution to increase your business' efficiency and reduce your risks, no matter where you are in the world.



CONVENIENT LOCATION

Easily access Sydney 1 and Melbourne 1 data centres, located just outside the CBD, via a range of transport options.



HIGH DENSITY

Save on operating costs with single racks that power and cool equipment in measures of up to 12kW without operational risk. Higher density workloads can be supported on request.



24X365 ON-SITE SUPPORT

Get on-site support when you need it: we're the only provider to have a Network Operations Centre (NOC) in both Sydney 1 and Melbourne 1 data centres.



SECURE

Our data centres are ISO27001 certified so you can have peace of mind that your data is managed with rigorously tested information security controls and multiple layers of physical security.



CLOUD SERVICES

Reduce your bandwidth costs and secure your data by cross connecting into public cloud services like AWS or Azure - available in both data centres.



MANAGED INFRASTRUCTURE

Our certified and experienced team can take care of your operating system, hardware management for servers, networking and storage while you focus on strategic projects.



CONNECTIVITY

With embedded private network and public Internet PoPs, you can expect to save 20% to 40% on the cost of a circuit delivered to our data centre vs. an office-based facility.



100% AVAILABLE

We offer rebate backed 100% target availability for power and cooling so you can rest assured your business will always be up and running.

DON'T TRY TO DO IT ALL YOURSELF.
REDUCE YOUR COSTS AND BOOST YOUR PEACE OF MIND WITH NTT ICT COLOCATION SERVICES.

Nexcenter



MELBOURNE 1 DATA CENTRE

Performance	Availability	Uptime target of 99.982% - Tier 3 certified fault tolerant and concurrently maintainable
	Rack power	From 2 kW to 12 kW in 1 kW increments
	Temperature Humidity	Constant 22 degrees Celsius +/- 2 degrees Celsius. Relative humidity 50% +/- 15% at control instruments
Power systems	Electrical authority supply	Three 7.5MVA main feeders from switching station delivered at 11kV
	Internal supply	Redundant A+B supply distributed at 415V Busbar
	UPS and standby power	Isolated Parallel Bus
	UPS configurations	N+1 or N+N Diesel Rotary UPS
	Generator back up Generator fuel capacity	12+1 1670kVA Pillar Diesel Rotary UPS [DRUPS] 24 hours minimum fuel capacity onsite 24 x 365 fuel delivery callout
Security and access	Entrance	Secure access gate to on-site car park Secure Gunnebo mantrap entry portals with biometric controls Door access controls on all technical area
	Access request	Online self service portal based system
	CCTV monitoring	Full coverage of exterior, entryways, lifts, stairs and site interior 28-day digital system access with fully staffed security control room Intrusion detection on all doors, glass breakage sensors and motion detectors for CCTV
	Alarm systems	Secure managed delivery and dock loading area
	Building access delivery	Leads directly to the main data centre hall through secure manned entry
	Rack	TZ locking system as standard. Biometric/Prox cards also available. Class B and SCEC endorsed racks available
Cooling	Design	Redundant, N+1, direct expansion cooling system
	Distribution	Perimeter and in-row cooling
	Free cooling	4 free cooling stacks supplying datacentre floor
	Control	Close control units provide air conditioned air to technical space
	Energy Efficiency PUE	NABERS 4.5 star rating Target PUE 1.35
Fire detection and suppression	Design	Analogue addressable fire detection system in all areas
	Smoke detection	VESDA in technical space and plant area
	Gas	Proinert IG55 gas distribution
	Fire extinguishers	CO2 extinguishers on each floor, along with Inergen based fire suppression on technical floors.
Telecommunications	Meet Me Rooms	Two diverse Meet Me Rooms
	Carriers	Access to 50+ carrier networks
	Cabling	Multiple connections to each suite and cable tray to all risers
Building	Gross area	17,500 sqm
	Technical area	6,000 sqm with 3,000 rack spaces
	Technical height	5.8 m from raised floor to ceiling
	Structure	Concrete tilt slab with dual membrane roof panelling
	Access Flooring	Can accommodate 900 mm clear depth access flooring in technical areas
	Floor loading	Typical loading of 14.4 kPa
	Good lifts	2 x 8 tonnes
	Parking Public transport	On-site parking for up to 20 vehicles and additional local parking Local bus route
Building management system	Staffing	Dedicated 24 x 365 facilities management team
	System	Monitors all building processes
Data centre services	Utility services	On-demand storage, backup, virtual machines and networking
	Managed infrastructure	Operating system or hardware level management for servers, networking and storage
	Remote hands	Access to highly skilled engineers to provide assistance on site 24x7
	Tape management Network services	Option of tape management including rotation and offsite storage Public and Private Network connectivity, as well as cloud provider interconnects (e.g. AWS)
	Cloud services	On-demand compute resources from our Enterprise cloud and Sydney cloud

CONTACT

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SYDNEY 1 DATA CENTRE

Performance	Availability	Tier 3 equivalent with uptime target of 99.982%, fault tolerant and concurrently maintainable
	Rack power Temperature Humidity	From 2 kW to 12 kW in 1 kW increments 16 degrees Celsius to 28 degrees Celsius 30% to 70% humidity
Power systems	Electrical authority supply Internal reticulation Internal supply UPS and standby power UPS configurations Fuel supply	Redundant 33 kV feeds via diverse path 11 kV Redundant A+B supply distributed at 415V Busbar 42 Diesel generators in N+1 configuration N+1 A minimum of 24 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
Cooling	Design Distribution Cooling tower water supply	Condensed water cooling system N+1 cooling towers at roof level Redundant cooling tower water supply feeds with capacity for 12 hours of operation
	Cooling water distribution Chiller power supply Control	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	Analogue addressable fire detection system in all areas. Inergen gas suppression system in technical areas with dry pipe pre-action sprinkler for additional resiliency Aspirated early warning smoke detection system (monitored 24x7x365) Multi-point aspirated smoke detection system to the technical area and sub floor Addressable point type smoke detectors in the ancillary areas
	Gas Fire sprinklers Fire extinguishers	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	Six Meet Me Rooms via 2+ diverse paths 30+ WAN, Internet and Telephony providers at time of printing, with capacity for new Providers to setup PoPs
	Cabling Roof space	Underground ducts, building service risers and cable trays, Multiple connections to each suite and cable tray to all risers, minimum of 2 fibre entry points into Meet Me Rooms Available for satellite and antenna equipment
Building	Gross area Technical height Structure Access Flooring Floor loading Passenger lifts Good lifts Parking Public transport	73,575 sqm of gross space From 3m to 5m 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/m ² 3 Passenger Lifts 2 Goods Lifts Multiple options available in close proximity Facility is 2km from the financial district and the city centre, Local railway station and tram station is located within walking distance, Bus access is readily available from Harris street
	Building management system	Staffing System
Data centre services	Utility services Managed infrastructure	On-demand storage, backup, virtual machines and networking Operating system or hardware level management for servers, networking and storage
	Remote hands Tape management Network services Cloud services	Access to skilled technical resources to provide basic remote hands service on a 24 x 365 basis Tape management including tape rotation service and offsite tape vaulting Public and Private Network connectivity, as well as cloud provider interconnects (e.g. AWS) On-demand public and private cloud services available

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“PARTNERING WITH NTT GAVE US NOT JUST STATE-OF-THE-ART DATA CENTRES, BUT THE SECURITY, RESILIENCE, AND ACCESSIBILITY WE NEEDED TO GROW.”

- Sinan Erbay, Director of Technology, Royal Melbourne Institute of Technology
RMIT is a global university of technology and design and Australia's largest tertiary institution.

WHY CHOOSE NEXCENTER?



GLOBAL DATA CENTRE LEADER

To assist with your data centre requirements, you're with the best - Nexcenter is the No. 1 data center provider globally with over 140 data centres in 20 countries/regions.



TECHNOLOGY PARTNERSHIP

Our partnerships with over 200 infrastructure vendors give you the choice and flexibility you need to build your data centre to your requirements.



LOCAL SUPPORT

Services are backed by an in-country 24x7 service desk, engineering and architectural team. Customers have access to an account manager and service delivery manager.



INDUSTRY RECOGNITION

Named a leader in Gartner's 2017 "Magic Quadrant for Managed Hybrid Cloud Hosting, Asia/Pacific" for the third year and Champions in Frost & Sullivan's Frost IQ for Asia-Pacific Data Centre Providers, 2017.



ABOUT NTT COMMUNICATIONS CORPORATION

NTT Communications solves the world's technology challenges by helping enterprises overcome complexity and risk in their ICT environments with managed IT infrastructure solutions. These solutions are backed by our worldwide infrastructure, including industry leading, global tier-1 public and private networks reaching over 190 countries/regions, and more than 400,000m2 of the world's most advanced data center facilities. Our global professional services teams provide consultation and architecture for the resiliency and security required for your business success, and our scale and global capabilities are unsurpassed. Combined with NTT Data, NTT Security, NTT DOCOMO and Dimension Data, we are NTT Group.

CONTACT US

Learn more about our Colocation and Data Centre services at <https://www.nexcenter.com.au> or email us at contact@nexcenter.com for more information.

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