DXN-SYD01

Reliable, Secure and Connected

DXN MAKING GLOBAL LOCAL

Go beyond traditional power, floor space and support services you would expect at a regular data centre

Situated just 30 minutes from the Sydney CBD, in Sydney Olympic Park, DXN's SYD01 data centre is a 4,351m², 5.5 MW data centre facility with capacity for up to 725 high-density racks.

DXN-SYD01 became the first data centre facility worldwide to work through the Uptime Institutes TIER-Ready prefabricated and modular data center design awards, on route to becoming fully Tier certified for construction.

DXN-SYD01 achieved Uptime Institute Tier III Certification of Constructed Facility (TCCF) on the 18th of September 2019.

In addition to its standard data centre space, customised modules can be designed and constructed to meet customers specific technical, security and operational requirements. When you combine this customised approach with a highly secure environment, reliability backed with SLAs and access to a comprehensive range of telecommunications carriers and network services, you have a winning solution.

The data centre at Sydney Olympic Park was officially opened on Friday 13 September 2019 by the Hon Paul Fletcher, Minister for Communications, Cyber Security and the Arts.

With Hyperscale connectivity on demand, DXN-SYD01 have established it as the centre of the new digital ecosystem for wholesale customers in Sydney.

DXN-SYD01 has the perfect environment for MSPs and ISPs looking for ways to simplify and build annuity streams into their business.

DXN-SYD01 provids everything you need from one location. As a service provider you will be able to deliver an end to end solution to your customers, helping them grow their product portfolio whilst maintaining control of your customer base.

If you need specific power and rack layouts, you can custom design whatever you need at the DXN-SYD01 facility.

Choose from 'already on' connection options
- NBN Enterprise Ethernet Solutions
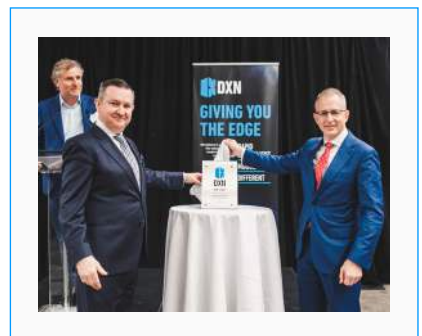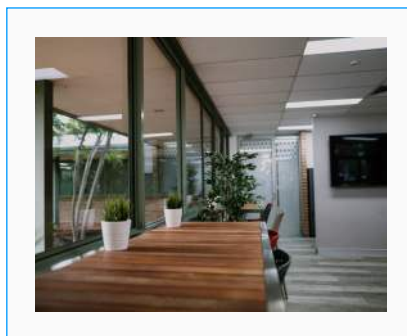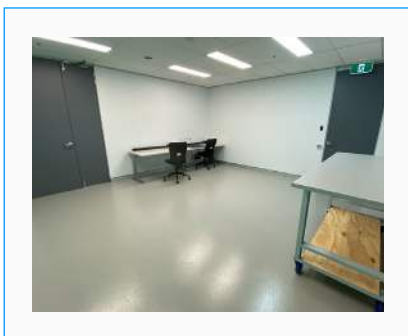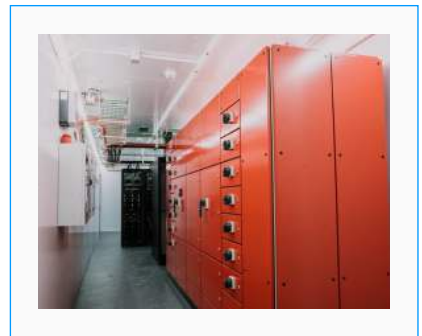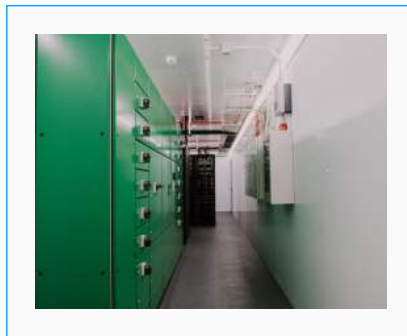- IP Transit and Cross Connects
- Dark Fibre and Wavelength

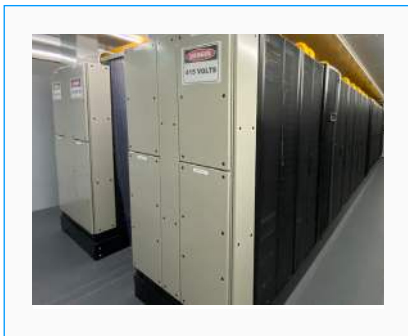**Connect with the cloud provider of your choice**
- Amazon Web Services
- Microsoft Azure
- IBM Softlayer

Benefit from built in security options
- In house DDoS protection platform
- Firewall services including traditional, advanced and SD-WAN
- Module and rack level security access
- Site wide biometric access

DXN-SYD01 GALLERY

DXN-SYD01 TECHNICAL SPECIFICATIONS

5 PARKVIEW DR, SYDNEY OLYMPIC PARK NSW 2127

5.5 MW CAPACITY

725 RACK CAPACITY

MODULAR BUILD

- Data Centre Modules are manufactured in our Australian design and manufacturing facility.
- Customisable configurations provide for a high level of customer driven options.
- Standard configuration contains 29 600mm 42RU equipment racks @ 5kW.
- 200kW IT power capacity as standard (6.9kW per rack average).
- Underfloor power cabling for maximum space above the rack provides for a clean and uncluttered structured cabling environment.

FIRE PROTECTION

- Very Early Smoke Detection Apparatus (VESDA) complimented with conventional and optical smoke and heat detection.
- Fire suppression utlises aerosol based chemical interaction extinguishers for a highly effective, efficient and safe method of operation.
- DXN data centre modules are independent fire zones ensuring isolation of fires and no disruption to unaffected modules or zones.
- Designed for a 120/120/120 fire rating for integrity, containment and insulation.

SECURITY, MONITORING & CONTROL

- Biometric access with dual-factor authentication, high definition CCTV cameras and 24/7 NOC for immediate response.
- Module and Rack level security access.
- Site wide biometric, with authentication, anti-tailgating measures and individual rack level access control provide for highly secure site integrity.
- Full environmental monitoring via our DCIM and BMS software.
- Live reporting of power consumption via highly accurate branch circuit monitoring.
- 24/7 on-site monitoring and security via in-house staff with additional support provide by our global operations and security command centre.

POWER

- Highly efficient UPS with Lithium-Ion battery backup in 2N configuration with dual A and B path distribution.
- Automatic Transfer Switches and external UPS maintenance bypass.
- Hot-swappable UPS components and fault-tolerant design improves redundancy and serviceability.
- Backup power in N+1 configuration via Cummins DCC rated generators in a 'catcher' configuration.
- Separate and segregated distribution boards providing IT power for high availability and concurrent maintainability.
- Comprehensive, real time power distribution monitored with dedicated Network Operations Centre (NOC).

COOLING

- High-efficiency, two-stage water cooled in-row coolers in N+1 configuration and evaporative towers with redundant pumps.
- Adaptive frequency VSD driven helical-rotary liquid chillers with dual circuits and compressors and ATS with dual power feed in an N+1 'catcher' configuration for high availability and efficiency.
- Evaporative towers in an N+1 configuration with 12-hour water storage provide efficient cooling with high availability.
- Heat exchangers provide the ability for further power savings by utilising the cooler ambient temperatures for free cooling.
- High-capacity dual power feed in-row coolers with variable flow control and variable speed fan design for optimal efficiency.
- Hot-swappable fans in the in-row cooler improving redundancy and serviceability.
- Physical segregation of hot and cold air for higher efficiency.

COMMUNICATIONS

- Complementary 10Mbps internet service.
- Fibre optic cross connects for high bandwidth.
- Public cloud connectivity.
- Redundant data links via fibre optic cabling for high accessibility communications.
- Carrier neutral with diverse entry points.

MAKING GLOBAL LOCAL

DXN

DXN designs, builds, owns and operates data centres. Offering integrated, customised and tailored solutions to clients, DXN provides businesses with the option of delivering solutions to site through prefabricated modules, or space in DXN's modular colocation facilities to suit technical specifications and operational requirements. From a single rack in the colocation facilities through to fully customised Edge Infrastructure, DXN can deliver a range of solutions to meet modern data centre requirements.

For more information email
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