

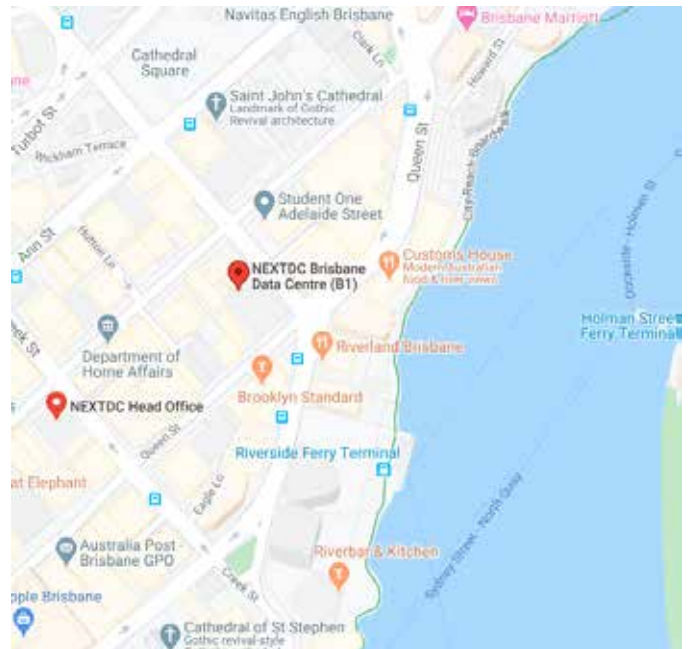


## NetVault Brisbane Data Centre

Located right in the middle of the Brisbane CBD, NetVault DC3 is run by NextDC under for formal name NextDC B1. This data centre was the first data centre opened by NextDC back in 2012, but the building itself had always been a data centre from the Brisbane City Council, and also Golden Casket. This building was initially the location of the original NetVault DC1, where NetVault were a tenant before NextDC even purchased the building. The building was stripped back to a raw concrete shell by NextDC who fitted out all 6 levels of the building to transform it into an enterprise grade data centre. Given the long data centre history of the building, the building itself is fibre rich, the most fibre connected building within Brisbane. Over 80% of the data centre's construction is solid concrete, providing extra security and fire protection, while the elevated Wharf St location means DC3 was well above the peak levels of the 2011 and 1974 floods.

The 6 levels of the data centre provide 1,650m2 of technical space with a total power rating of 5MVA and the entire facility is Update Institute Tier III certified. ISO27001 and ISO9001 certification ensure that clients within the facility receive the best security and reliability from the facility. Direct cross connects to 6 different public cloud providers, 42 carriers and 95 solution providers means fast and reliable connections are readily available.

BRISBANE CBD  
QLD, AUSTRALIA



NetVault offers three key product pillars to Managed Services Providers (MSPs) and businesses in Australia: Internet, Telephony and Cloud

By utilising its national network of 10 data centres throughout Australia, NetVault is able to offer customised telecommunications solutions to fit the exact needs of businesses small and large. NetVault has the capability to host almost anything in the cloud, with the knowledge and experience to do this both cost-effectively and efficiently.



ISO 9001:2015  
Quality  
Management  
System

Quality  
ISO 9001



ISO 27001:2013  
Information  
Security  
Management  
System (ISMS)

Information  
Security  
ISO 27001



**N E X T D C**

where the cloud lives™

**NETVAULT**  
INTERNET | TELEPHONY | CLOUD

# NETVAULT DC3 TECHNICAL SPECIFICATIONS

## Building

### Sustainability

- Air-cooled chiller with free cooling technology, reducing water consumption.
- APC highly efficient, power protected UPS system.
- Thermally insulated data hall floors.
- External walls clad with aluminium composite sheeting to reduce heat transmission.
- Low volatile organic compound (VOC) materials and paint.
- Antistatic vinyl on Levels 1 and 2.
- Energy efficient lighting (fluoro or LED) meeting AS1680.2.2 standard.
- PUE target is 1.6 at peak load.

### Fire Suppression & Monitoring

- Inert gas fire suppression system.
- Leak detection systems.
- Distributed fire alarm control equipment to avoid single point of failure.
- Two monitored fire escapes.
- External water sprinkler system to protect from neighbouring building fires.
- Water misting system to protect generators from fire.
- Fully addressable analogue fire alarm system comprising
- Fire Indicator Panel (FIP), mimic panels, heat detection and
- MASDs systems.

## Amenities

- Sound-proof boardroom.
- Chill-out room equipped with kitchen facilities and
- Nespresso machine, TV, lounge and Foxtel.
- Equipment staging room.
- Customer carpark.
- Spare parts vending machine.
- Guest Wi-Fi.

## Products & Services

### Telecommunications

- Diverse underground cable pathways to the building.
- Dedicated interconnect room for cable connections.
- Access to choice of 50+ carrier networks.

## Facilities

### Cooling

- N+1 air-cooled UNIFLAIER chillers with variable speed motors.
- Dual chilled water risers servicing the building.
- Chilled water buffer tank with dual water bypass.
- Multiple redundant water pump and compressor configuration.
- Redundant back-up pipe systems to essential equipment.
- Server heat load approximately 1,400 W/m<sup>2</sup>.
- N+1 Computer Room Air Conditioning (CRAC) units per data centre room.
- CRAC units fitted with supply temperature control and floor pressure control.
- Cold aisle containment system on Levels 3 to 6.
- Hot aisle containment system on Level 2.
- Average cold aisle temperature of 22 +/-2 degrees.
- Average cold aisle relative humidity of 50% +/-15%.

### Security

- Individual credential checks prior to authorisation.
- 24/7 onsite concierge personnel.
- Biometric fingerprint security for data centre access.
- Anti-cloning access card encryption.
- Secure lifts between floors with personnel trap entrance points.
- Intruder-resistant glass, steel mesh and solid concrete walls.
- Extensive coverage by motion sensitive CCTV cameras.
- Remote monitoring and control of rack access via ONEDC®.
- Monitoring of news and weather for external security risks.
- Designed with advice from ASIO T4 accredited consultants and in consideration of ASIO levels of security and the future requirements of the Protective Security Policy framework (PSPF).

### Power

- Available power of 5MVA.
- IT load capacity of approximately 2.25MW.
- Minimum N+1 redundancy.
- Dual underground 11kV Energex feeders from city power grid.
- N+1 redundant 11kV/415V 2500kVA distribution transformers.
- N+1 redundant 1.2MW UPS modules for data centre load.
- 100% standby generator power.
- (Cummins V16 60 litre quad turbo diesel with 2.25MVA output) with N+1 redundancy.
- Full N+1 main electrical infrastructure extending to N+N at power rail level.
- Diverse path vertical distribution cabling to data centre floors.
- Minimum 24 hours' onsite fuel supply.

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1300 513 262

NETVAULT.NET.AU

**Brisbane (Head Office)**  
Level 19, 10 Eagle St  
Brisbane, QLD 4000

**Melbourne**  
Level 27, 101 Collins St  
Melbourne, VIC 3000

**Sydney**  
Level 57, 19-29 Martin Pl  
Sydney, NSW 2000

**Perth**  
Level 28, 140 St Georges Tce  
Perth, WA 6000