

Data Centre Fact Sheet

Noble Park, Melbourne VIC

Fujitsu Australia currently operates 8 high-quality, continuous-availability data centres nationally, with six primary sites strategically located in Sydney, Melbourne, Brisbane and Perth.



Architecture

- Purpose built data centre, constructed in 1988
- Soley owned by Fujitsu Australia
- 1:100 natural disaster event resilience
- 2-hour fire rating on all data hall doors walls
- Absence of external windows and signage

Location

- Situated 24 kilometres from Melbourne C.B.D. at Noble Park, Melbourne, VIC., Australia
- Close proximity to travel routes

Dimensions

- Land 18,400m²
- Building 6,700m²
- Raised data halls 3,800m²
- Plant and equipment area 3,500m²
- Office area, work area and amenities 885m²
- Parking area for up to 50 vehicles

Electrical System

- 2 x 4MVA main feeds via diverse entry points and pathways
- 2 x 1800KW Diesel Rotary UPS in N+1 configuration
- On-site fuel storage sufficient for 72 hours non-stop operations
- Power allocation design of minimum 1000w per m²
- 2400KW of Static UPS
- 3 x 1800KW backup generators with N+1 configuration

Mechanical System

- Closed loop chilled water piping system installed in diverse underfloor runs
- Energy efficient chiller plant in a minimum N+1 configuration
- 48X CRAC units placement providing hot/cold aisle cooling
- Underfloor leak detection and off-floor drainage system
- Backup power to mechanical system supported by diesel power generation

Fire System

- Early warning smoke detection (VESDA)
- Smoke and fire detection installed under and above floor and in roof cavity
- Dry-pipe, pre-action fire suppression

Security & Certification

- 24x7 manned security office and personnel entrance check-point
- Perimeter vehicular security check-points
- CCTV monitoring and capture of perimeter and internal access
- Proximity card access points to data hall and other secure areas
- Certification to ISO-27001 Information Systems Security Management
- 24x7 access permitted to authorised personnel

Telecommunications

- Carrier-neutrality
- 2 diverse under-ground cable pathways to the building

Data Hall

- Minimum 600mm raised floor
- Floor rating to 1400kg per m load
- Floor tile system resistant to Zinc whiskers
- Earthing system



Service Level Targets

- 99.98% availability on all electrical and mechanical systems
- Ambient temperature of 22°C +/-2°C
- Relative humidity of 30-70%

Maintenance and Support

- All infrastructure components monitored 24x7 by a nationally integrated BMS
- Core infrastructure tested and maintained to manufacturers recommendations or better

Shipping and Receiving

- 2 X Loading dock available 24x7 for shipping and receiving
- Site-suitable lifting and moving equipment available

Green Initiatives

- PUE and DCIE monitored and reported
- Closed loop chilled water systems
- Sensor lighting installed in data hall
- Latest technology chiller utilising high COP
- Heat reflective painted roof
- Free Cooling
- 4 Star Nabers Rating

Services available

Co-location Floor Space

Facility managed raised data floor space in sizes from single cabinets to hundreds of square metres.

Project Services

Relocations and transitions project managed by Fujitsu's experienced Project Services Team.

Implementation Services

- Advice on world's best installation practices ensuring efficient use of floor space and services.
- "Smart hands and feet" services available onsite 24x7.

Operations Services

- 24X7 Batch monitoring and delivery
- End to end media management
- Basic remote hands

Reporting

Service level target and site access reporting.

Ask Fujitsu

Contact Fujitsu's Data Centre Services on 1800 114 974 or DC.Hosting@au.fujitsu.com

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