

Data Centre Fact Sheet Perth W.A.

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 2-level data centre, commissioned 2010
- Sole tenanted by Fujitsu Australia
- 1:100 natural disaster event resilience
- 2-hour fire rating on all data hall doors
- Absence of external windows and signage

Location

- Situated 15 kilometres from Perth C.B.D. at Malaga, Perth, W.A., Australia.
- Close proximity to travel routes

Dimensions

- Land 10,000m²
- Building 8500m²
- Raised data hall 3200m²
- Plant and equipment area 3300m²
- Office area, work area and amenities 2000m²
- Shared parking area for more than 100 vehicles

Electrical System

- 2 x 22kV mains feeds via diverse entry points and pathways
- Diesel Rotary UPS's
- Dual fuel tanks and redundant pumping system

- On-site fuel storage sufficient for 72 hours non-stop operations
- Power allocation design of 1500W per m²

Mechanical System

- Closed loop chilled water piping system installed in diverse underfloor runs
- Underfloor pipe manifolds to support in-row high-density cooling solutions
- Hybrid closed loop chiller system
- CRAC unit placement providing hot/cold aisle cooling
- Underfloor leak detection and off-floor drainage system
- Mechanical system supported by diesel power generation

Fire System

- Early warning smoke detection (VESDA). Smoke and fire detection installed under and above floor
- Dry-pipe, pre-action fire suppression within data halls

Security & Certification

- 24x7 manned security office and personnel entrance checkpoint
- Perimeter vehicular security check-points
- Anti-scaling perimeter fencing
- CCTV monitoring and capture of perimeter and internal access by digital cameras
- Single person interlock entrance to out of lobby
- Proximity card access points to data hall and other secure areas
- Certification to ISO-27001 Information Systems Security Management, 28000 + 14001 + 9001
- 24x7 access permitted to authorised personnel

Telecommunications

- Carrier-neutrality
- 2 diverse under-ground cable pathways to the building
- 2 internal hand-off rooms, with diverse inter-room pathways

Data Hall

- 700mm raised floor
- Floor rating to 1400kg per m² load
- Floor tile system resistant to zinc whiskers
- Earthing system



Service Level Targets

- 100% availability on all electrical and mechanical systems
- Ambient temperature of 18°-27°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 suggestion or better
- Load banks utilised

Shipping and Receiving

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

Green Initiatives

- PUE & DCIE monitored and reported
- High performance closed loop chilled water systems
- Sensor lighting installed in data hall

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.

Operations Services

"Smart hands and feet" services available on-site 24x7.

Media management

Scheduled media changing and off-site vaulting.

Reporting

Service level target, site access and electrical usage reporting.

Ask Fujitsu

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

Contact

Fujitsu Australia and New Zealand
Address: 118 Talavera Road,
Macquarie Park NSW 2113 Australia
Phone: +61-2-9776 4555
E-mail: askus@au.fujitsu.com
Website: au.fujitsu.com
2014-11-06-FAL-EN

About Fujitsu

Fujitsu Australia and New Zealand is a leading service provider of business, information technology and communications solutions. As the third largest ICT company in the Australian and New Zealand marketplace, we partner with our customers to consult, design, build, operate and support business solutions. From strategic consulting to application and infrastructure solutions and services, Fujitsu Australia and New Zealand has earned a reputation as the single supplier of choice for leading corporate and government organisations. Fujitsu Australia Limited and Fujitsu New Zealand Limited are wholly owned subsidiaries of Fujitsu Limited (TSE: 6702).