FUJITSU

Data Centre Fact Sheet
Homebush, Sydney N.S.W

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 two level data centre, constructed in 1988, refurbished in 2007 & 2010
- Sole tenanted by Fujitsu Australia
- 1:100 natural disaster event resilience
- 2-hour fire rating on data hall doors, walls and windows
- Absence of external windows and signage

Location
- Situated 14 Kilometres from Sydney C.B>D at home bush Bay, Sydney, N.S.W., Australia
- Close proximity to travel routes

Dimensions
- Land 9,000m^2
- Multi-level building 5500m^2
- Raised data halls, 2 x 750m^2 and 1 x 800m^2
- Multi-level plant and equipment area 3500m^2
- Office area, work area and amenities 500m^2
- Shared parking area for 90 vehicles

Electrical System
- 2 x 11kV ring-mains feeds via diverse entry points and pathways
- 2250kVA Diesel Generators in a minimum N+1 configuration
- Multiple UPS in a minimum N+1 configuration

- Dual fuel tanks and redundant pumping system
- On-site fuel storage sufficient for 72 hours non-stop operations
- Power allocation design of minimum 1000W per m^2

Mechanical System
- Energy efficient chiller plant in a minimum N+1 configuration
- Hybrid closed loop chilled water piping system installed in diverse underfloor runs
- Underfloor pipe manifolds to support in-row high-density cooling solutions
- 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
- 27x7 manned security office and personnel check-point
- Perimeter vehicular security check-points
- CCTV monitoring and capture of perimeter and internal access by digital cameras
- Single person interlock entrance data hall
- Biometric and 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
- Diverse under-ground cable pathways to the building
- 2 internal hand-off rooms, with diverse inter-room cable pathways

Data Hall
- 600mm raised floor
- Floor rating to 1400kg/m^2 load
- Floor tile system resistant to zinc whiskers
- Earthing systems

Service Level Targets
- 100% 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 suggestion or better

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 chiller water systems
- Rain water re-use for grounds and gardens
- 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 Service 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 onsite 24x7.

Media management
Scheduled media changing and off-site vaulting.

Reporting
Service level target and site access reporting.

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

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