

technical



Mitchell

ADC has 3,000m² of technical space designed for total redundancy. It is currently maintainable with no single point of failure. The technical area has been constructed in two independent and flexible data halls.

Central Services optimise operating efficiency of power, water and space. ADC is certified by the Uptime Institute.

Security

ADC is T4 certified.
Zone 4 - Data Halls and Telco Rooms
Zone 3 - Offices and meeting rooms
ADC has 24 x 7 security with access to the secure corridor and data hall via a mantrap with Biometrics. There is CCTV both internally and externally.

Maximum Power

ADC's primary power supply is by way of a 7MVA onsite high voltage supply. ADC is the only privately owned high voltage site in the ACT.

Electrical Engineering

ADC has an initial single feed and then dual HV incoming main feeders from diverse routes. There are dedicated power transformers in a N+1 configuration providing 7MVA capacity. ADC provides busways in the data hall with A and B feeds to each rack. The electrical infrastructure has been designed to be a 2N configuration. ADC is the only privately owned High Voltage site in the ACT. This allows ADC to have total control over the onsite transformers.

Generator System

When fully configured ADC will have five Eurodiesel 2.25 MVA Diesel Rotary UPS supplies.

Primary Cooling System

ADC uses a chilled water system in an N+1 configuration. ADC uses free air cooling via a heat exchanger.

Secondary Cooling

ADC uses Computer Room Air Conditioning Units (CRAC) located outside the data hall.

ADC offers

- Raised floor standard environment cooling
- Cold aisle containment
- Hot aisle containment
- Precision in row cooling with N+1 single feed or A & B feeds
- Precision in-row cooling with or without standard room control

Fire Protection

- Pre-Action Sprinkler System (above and below raised floor)
- Dry Pipe format
- VESDA detection

Water

Leak detection sensors throughout the data centre.

BMS & SCADA

ADC's BMS and SCADA interfaces with all key plant and equipment (DRUPS, electrical distribution system, private metering, cooling, building management

DCIM

ADC is using Schneider Struxureware with full integration to the BMS and SCADA systems

The system provides

- Real-time access to power and environmental data
- Ability to track and manage rack and floor mounted assets
- Automated guidance on the best location to deploy new assets
- Tools to support migration planning and expansion activities
- Capacity planning support

Value Added Services

- Installation and structured Cabling
- Remote Hands
- Data Suite Cleaning
- Hot Desks
- DR Desks
- Administrative Services
- Secure Loading Dock
- Staging areas
- Short term storage and unpacking areas
- Lunch rooms
- Dedicated office space.
- Carrier neutral connectivity
- Access to multiple carriers including dark fibre providers
- Complete diversity in cable routes from north and south

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