

/ CLOUD CONTROL /

ADC

THE NEXT
GENERATION
DATA CENTRE :

TECHNICAL
SPECIFICATIONS

WWW.AUSDATACENTRE.COM.AU

FUTURE PROOF



Mitchell

ADC has 3,000m² of technical space designed for total redundancy 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 Tier III certified by the Uptime Institute.

Security

ADC is a Certified Strategic Hosting Provider and ASIO T4 certified. A manned Cyber Security Operations Centre constantly monitors customer networks and provide ongoing security management with cyclical compliance, assurance and accreditation activities, such as penetration testing and IRAP assessments. ADC's data halls and telco rooms are Zone 4 spaces. Offices and meeting rooms are Zone 2. ADC has 24x7 security with access to the secure corridor and data hall via mantrap. There is internal and external CCTV with a Zone 2 secure perimeter.

Maximum Power

ADC's primary power supply is 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.

Primary Cooling System

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

Generator System

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

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)

Value Added Services

- Installation and structured cabling
- Remote hands
- Data suite cleaning
- Administrative services
- Secure loading dock
- Staging areas
- Short term storage and unpacking areas
- Dedicated office space
- Carrier neutral connectivity
- Access to multiple carriers including dark fibre providers
- Complete diversity in cable routes from north and south