



Environmental
ESD
Air
Power
Noise
Structure

Making the difficult, simple

Project: Canberra Defence Data Centre



Need a Data Centre?

KAE delivers a mission critical Data Centre...

The KAE team delivered architectural, structural, electrical, fire, hydraulic and mechanical services for a new tier 3 Data Centre in Canberra. "We are able to undertake this project in rapid fashion, due to our in-house expertise and extensive data centre project experience" *Paul McAleese - KAE*

Project Highlights:

- 3 off 1 MVA transformers
- Mission critical N + 1 power supply
- 100% UPS back up systems
- N + 1 central cooling plant with free cooling chillers
- Raised floor design delivering 1200 watts/square metre cooling
- Inergen fire suppression system
- Fast track design
- 3 off 1MVA standby generators and bulk fuel storage

The project required the conversion of an existing building to create the required data centre floor. The significant new plant requirements were created by excavation of the site and building of new plant rooms to house chills, sub stations, main switchboards etc.

Key Value Add:

- Fast track, issue free design
- On time delivery of the project
- Delivery of the complete project (all disciplines)
- N + 1 mission critical services design