

NEXTDC, B2

Fortitude Valley, QLD

CLIENT	NEXTDC
PROJECT SIZE	7,500sqm
PROJECT LENGTH	46 weeks
YEAR COMPLETED	2018

PROJECT FEATURES

Uptime Institute Tier IV Certification for Design Documents and Constructed Facility

Conversion of a bank into a data centre

Structural strengthening and reinforcement

CRAC units for cooling

Generators, rotary UPS, 11 KVA transformers



FDC (QLD) has delivered the latest data centre for NEXTDC with B2, which showcases the latest technology innovations in data centre design.

Showcasing the latest technology innovations in data centre design, NEXTDC B2, 454 St Pauls Terrace, Fortitude Valley, is the new industry benchmark for security, performance, reliability and energy-efficiency, setting a new standard of what customers expect from their data centre.

NEXTDC B2 is Australia's first data centre to achieve Uptime Institute Tier IV Certification for Design Documents and Constructed Facility. Showcasing complete fault tolerance and 100% up-time, B2 has been constructed to withstand individual equipment failures or distribution path interruptions and maintain IT operations.

Works involved the structural refurbishment of a three-storey bank (plus two basements) and conversion into a 6MW data centre. This was done under a CM contract with fixed preliminaries. The building was completely

stripped out to its structural elements, then reinforced to support the increased load of the data centre:

Concurrently, front-of-house office areas and Data Hall 3 were being constructed and fitted. The data hall was fitted out with bus ducts for power and CRAC units for cooling. On the roof, three power strings were installed to power the building which include generators, rotary UPS, 11 KVA transformers and switch gear. There was also the facility for four additional power strings associate with future additional data hall fitouts. On the plant deck six cooling towers and associated services were installed to provide water to the CRAC units. There is the ability to increase this to 26 cooling towers in the future.

FDC successfully delivered this project in conjunction with Greenbox Architecture, Aurecon, Omnii and McKenzie Group.

