

Centre for National Resilience Perth - Multiplex

MULTIPLY

Background

Multiplex is an international construction contractor founded in Australia. The company specializes in high-rise buildings, studio, high-end residential, mixed-use, education, health and civil infrastructure developments.

Objective

Build and Deploy a modular data centre plus ten communications modules to support the Centre for National Resilience initiative



Solution Specifications:

Tech Details For Data Centre:

- DXN A2 Modules used for build
- 2 x A2 module were combined to form the data centre. Each module dimension were 12.2m (L) x 2.44m (W) x 2.9m (H).
- Internal module space to accommodate 15 racks.
- Each rack dimension of 800mm (W) x 1200mm (D), 42RU
- 3.75kW per rack and total 56.25kW IT load (included 25% spare)
- 2N UPS system and N+1 DX In-Row Cooling System



Tech Details For Comms Rooms:

- Outer layer 50mm Bal40 EPS with FR
- Fireproof panels 1hr fire rated
- Antistatic vinyl floor.
- Compensate deck for outside.
- All internal cable trays.
- Small power DB and Ac.
- Roof safe access system.
- 7kW Split cooling Unit with condenser
- Fire Detection System
- Ampac Fire finder plus FIP
- Delivery and commissioned onsite
- Full Turnkey Structured cabling installation



Overview

DXN Limited executes contract with Multiplex to fabricate, supply and install a modular data centre plus 10 'turn-key' communication rooms. The works are for the Centre for National Resilience Perth