

Case Study ~ Job# 62568

## UPS Supply Upgrade



**CLIENT: City of Melbourne & Transfield Services**

- Council House 1

**WORKS: UPS Supply Upgrade**

- BIS Data Centre

**Date: September 2012**



### Scope of Works

- Audit existing design for Increased UPS size from existing 90kVA to 150kVA
- Design new supply system & upgrade SLD
- Design & Implement new supply changeover procedure using Castel Interlock System
- Liaise with UPS supplier & Switchboard Builder to ensure end-to end compatibility
- Install new 3ph. supply cable up 5 story riser requiring abseil specialists
- Install new & reallocate existing data rack power feeds throughout Data Centre
- Install & terminate new OM3 fiber and CAT6 data cables between upgraded Data Racks
- Replace existing Switchgear at Emergency Changeover Switchboard
- Design, Supply & Install New UPS Input / Output / Bypass Switchboard & Cabling
- Isolate & decommission redundant services & Install new as per approved design.
- Co-Ordinate 24 hr shut-down timeline for changeover phase of project with City of Melbourne, BIS Division, UPS Supplier,
- Commission new Switchboard, switchgear and connections, including Thermo-scans
- Re-label switchgear, cables and accessories to City of Melbourne standards
- Provide As-Installed documentation including updated As-Built Drawings

### Challenge

To audit, design, liaise, construct, re-cable, co-ordinate, install & commission this Design & Construct project in a 6 week period. – Result, 100%