

Case Study Summary - Replacement AC/DC CBUs – University of Manchester



Lighting-Power-Control



- The requirement was to replace two existing partially operational but obsolete 48V central battery systems in the basement of the prestigious Samuel Alexander building that were providing emergency back-up to the architectural lighting and exit signs.
- Work required the rip-out, removal and disposal of the existing equipment together with all electrical requirements of the installation of the replacement CBUs. One of the existing systems was operating with wet-cell lead-acid batteries and so required special disposal arrangements.
- We provided two Power-pro 48V AC/DC central battery systems with 3-phase monitoring and maintained and non-maintained outputs. Test-key switches allow the in-house electrical team to perform 10-, 30-, 60- and 180-minute test durations together with the energising of the non-maintained output.
- Both CBU systems contain the latest technology with a touch-screen LCD to show all operating parameters and to check for events in the log.
- 10-year life maintenance-free lead-acid batteries were provided to enable each CBU to power up to 1100W of lighting for 3-hours.

