



CPS National removed and replaced 35 tonnes of battery blocks from a CBD site

OVERVIEW

CPS National was contracted to replace a string of hazardous wet cell batteries whilst also refurbishing the equipment room.

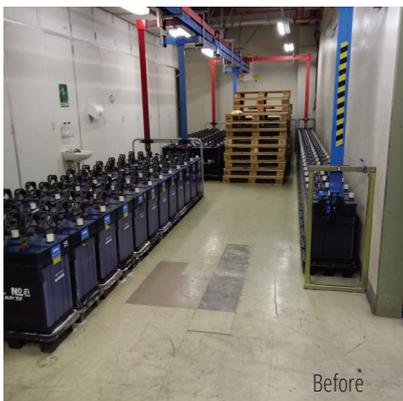
The project posed a number of challenges that included logistics, large weights and hazardous substances.

The removal of the vented lead acid batteries required each battery plug to be sealed with silicone and the units placed into acid-proof plastic prior to removal. A lifting device was then required to move the 360kg blocks from the 2nd floor of the building.

Before the new valve regulated lead acid sealed (VRLA) batteries could be installed, CPS National was also required to refurbish the storage room.

The existing asbestos tiling was removed, the floor cleaned and neutralised of all battery acid, ground and levelled, and new anti-static vinyl floor installed. In addition, existing copper busbar was removed.

New superstructure, cable tray and battery racks were then installed and battery testing completed.



PROJECT OVERVIEW

Client: Telecommunications company

Location: Victoria

PROJECT SCOPE

The project was to remove and replace four x 48V battery strings of wet 2V 3,200ah batteries.

UNIQUE FEATURES

The project posed a number of challenges that included structural assessments that dictated a specific methodology of removing the batteries so as to not disturb the structural integrity of the building, logistics and hazardous substances.

Each battery block weighed 360kg and all up there were 96 battery blocks to be removed, so a total of 34.5 tonnes had to be removed from the site.

OUTCOME

We were able to complete the works on time and on budget with zero incidents. The customer now has a new equipment room with batteries occupying a fraction of the space that is now able to accommodate additional equipment in a non-hazardous environment.