

PROJECT CASE STUDY

Madison Hotel Tower Mill - Electrical Mains Upgrade

Going above and beyond for our customers

CLIENT, LOCATION AND SCOPE

Madison Hotel Tower Mill, Wickham Terrace Spring Hill.

The Madison Hotel Tower Mill, formerly known as the Metro Hotel Tower Mill, was purchased by Interstay Holdings in mid-2018, and has undergone refurbishment since this time. The well-known piece of Brisbane architecture was designed by Brisbane architects Fulton Collin Trotter in 1968.

All Data & Communications have undertaken an entire data and electrical upgrade to the iconic building.

DESCRIPTION

The data and electrical update of this landmark hotel included a complete upgrade of the mains power supply throughout the entire 9 levels. The original wiring had not been upgraded since the hotel was built in the 60's. The team at All Data & Communications built switchboards from scratch specifically for this project. Re-cabling to provide upgraded WiFi throughout the building was undertaken and a new server cabinet to house all the upgraded services. The other installations by All Data & Communications included Foxtel connectivity and data/WiFi upgrade for Smart TV integration in all rooms, which will be completed at a later date.

This project required the hotel to be closed and power disconnected for 7 days. The All Data & Communications team worked diligently and effectively to complete the works in the strict timeframe.



THE SOLUTION

All Data & Communications undertook the following works: removal and replacement of existing site main switchboard; removal and replacement of all main sub-main cabling; removal and replacement of Level G, 1, 2, 3, 4, 5, 6, 7 & 8 distribution boards; installation of new tee-off boxes for floor distribution of electrical services; installation required circuit protection as per AS3000:2018; testing of all new circuit protection; supply and installation of new emergency lighting in hallways at lift entrances; provision of fire rating of current electrical riser to BCA Standards; segregation of existing fire services in current riser; replacement of existing WAP services; supply and installation of 2 Cat 6A data outlets per floor for new WAP services and installation of wireless routers; provision of fire rating of current ELV riser to BCA Standards.

In addition to the data and electrical work, the All Data & Communications team custom-made cable housing to run the new cabling from the main switchboard to each floor, where new custom-made safety boards and Tee Off Boxes were installed. Work also included the design and extension of the concrete slab to house the new custom-built main switchboard, as well as the construction and installation of a fence to securely lock away the main switchboard.

PEACE OF MIND

The associated upgrades to the hotel will allow the refurbishments to be completed, including installation of new elevators, upgrade of the fire services, rooftop pub including gaming rooms, and a high-end restaurant and bar on the ground floor, bringing the Madison to a 4-star hotel.

