

Upgrading the Under Floor Electrical Distribution for the Banking Sector

ANTAC
Support Services



Antac upgrades 1,100 floor boxes over three floors of office space. A UPS supply, new Electrac and power distribution board was also installed for the ground floor.

Project Key Facts:

- ✓ 1,100 office floor boxes upgraded
- ✓ New distribution board for ground floor
- ✓ UPS supply for PC's added at each box
- ✓ Electrac distribution replaced
- ✓ All works carried out overnight

Antac was instructed by our client to install new Electrac throughout the ground floor, replacing all of the existing socket outlets in the floor boxes which were obsolete RCD sockets that we're causing intermittent disruption to the office power supply.

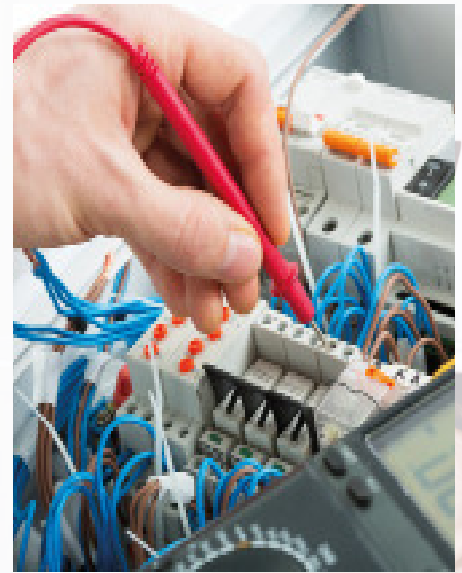
The Challenge

Our customer needed a flexible electrical distribution system, which could be adapted to accommodate future changes to the office layout. The building is equipped with a UPS system, but this had not previously supplied power to the individual floor boxes for the ground floor, so there was a risk of damage to IT hardware, loss of and corrupted data in the event of a power-cut or mains voltage fluctuations. The office space was fully occupied during the five week programme, so all works were carried out overnight. It was identified that there was a possible risk of water ingress into the UPS Room from the roofing joints. Antac was requested to provide a leak detection system.

The Solution

Antac's team of electricians planned a schedule to ensure that power was available each day. On commencement of the work it was found that the drawings were not up to date. For the ground floor the Electrac was replaced and in each of the 500 floor boxes 2x double sockets were replaced. Each box now contained one socket connected directly to the mains and the other via the UPS. Antac installed new supplies to sections of the Electrac to share the power consumption over many different circuits. A new distribution board was installed to facilitate terminations of the new power cables. On completion testing was carried out and everything was labelled correctly on the new board, as well as updating the labelling on the existing boards. Across the third and fourth floors 570 double sockets and mounting plates were replaced within the floor boxes.

An Aquilar leak detection system and control panel were installed in the UPS Room.



About Antac >>>

Antac is a multi service provider established in 2001. Over the last 14 years our business has continued to grow and today we provide services throughout the UK. Antac has established an enviable reputation of delivering quality services, value for money and customer care, demonstrated through our long term relationships and business retention. Our ethos is to "deliver what we promise" making us the service provider that you can trust.

Our skilled teams enable us to deliver tailored solutions which meet our clients differing needs. Our strong experienced management team coupled with our highly trained operatives and innovative quality systems enable Antac to deliver excellent services to our clients.

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