

Client: Global Payments Processing Business

Location: Basingstoke

Sector: Finance

Project value: £2,000,000

Project: Data Hall Design and Build/UPS Upgrade



## Brief

Our client, a global payments processing business, appointed us to convert an existing space into a new data hall and replace the existing UPS system. As the site was a live critical data centre, operating 24 hours a day, 365 days a year, it was vital to our client's business that there was no loss of power to the critical load at any point.

## Action

The essential and critical power systems for the new data hall comprised of switchboards, 2N static UPS systems dedicated to the data hall cooling unit fans, controls and chilled water pumps and critical power distribution via static transfer switch equipped PDU's. The final circuit critical power distribution to the IT cabinets was via overhead busbar systems and MCCB equipped tap-off. The UPS replacement involved substituting six 336kW UPS modules with 500kW UPS modules; this necessitated switchboard modifications, switchboard replacement, cabling upgrade and additional cooling to the B stream UPS room.

## Outcome

Our project manager, site manager and onsite engineers, enjoyed a constructive working relationship with the client project team throughout the delivery programme. The nature of the client's business meant that the works were conducted within and around critical operational facilities; with no option for site down time. As such, the level and quality of planning was paramount. Further to the success of this project we continue to enjoy a working relationship with the client and have been entrusted with further critical works.

\*to support client privacy, an illustrative image has been used

